

CHIGNIK, ALASKA PENINSULA, AND ALEUTIAN ISLANDS MANAGEMENT AREAS
SALMON ESCAPEMENT DAILY AND CUMULATIVE COUNTS FOR RIVER SYSTEMS
WITH WEIRS, 1991-2001

By

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COMMERCIAL VENDOR NAMES

Product names used in this publication are included for scientific completeness but do not imply product endorsement.

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ABSTRACT

This report provides the results of all weir escapement enumerations in the Chignik, Alaska Peninsula, and Aleutian Islands Salmon Management Areas in 2001 and provides daily cumulative weir escapement comparisons between 2001 and the previous 10-years (1991-2000). Brief weir descriptions are included as well as some local water and air temperature data.

In 2001, the Alaska Department of Fish and Game (ADF&G) and the United States Fish and Wildlife Service (FWS) operated weirs in the Chignik, Alaska Peninsula, and Aleutian Islands Management Areas. The ADF&G weirs were located on the Chignik River, Orzinski Lake, Nelson River, Bear River, Sandy River, Ilnik River, and Summer Bay Lake on Unalaska Island. The FWS operated weirs at Mortensens Lagoon and Frosty Creek on the Alaska Peninsula and McLees Lake on Unalaska Island. The fish weirs provided accurate enumeration of adult salmon (*Oncorhynchus tshawytscha*, *O. nerka*, *O. kisutch*, *O. gorbuscha*, *O. keta*) during their spawning migration from the ocean to freshwater. The weir projects provided daily salmon escapement enumerations used for the management of commercial, sport, and subsistence fisheries. Some weir operations (Chignik, Frosty Creek, and Summer Bay Lake) also enumerate Dolly Varden *Salvelinus malma* migrations.

INTRODUCTION

The ADF&G utilizes escapement data collected at weirs to manage commercial, subsistence, and sport fisheries. In the Chignik, Alaska Peninsula, and Aleutian Islands Management Areas, ten weirs were operated in 2001. The ADF&G Division of Commercial Fisheries funded and operated all of these weirs except for the Chignik River weir, which was partially funded through the *Exxon Valdez* Oil Spill Trustee Council, the Summer Bay Lake (Aleutian Islands) weir, which was funded through the National Marine Fisheries Service (*M/V Kuroshima* Oil Spill), and the Mortensens Lagoon and Frosty Creek (Alaska Peninsula) weirs and the McLees Lake (Aleutian Islands) weir, which were funded through the FWS (Figures 1-3).

The number of salmon systems with weirs has fluctuated as the need for timely accurate salmon escapement data has increased and in the case of ADF&G, the available funding has decreased. Weirs have been installed to address specific management concerns, such as the Orzinski Lake weir where sockeye salmon counts are critical for inseason management decisions in the Southeastern District of the Alaska Peninsula Management Area (Dinnocenzo et al. *in press*). In the Chignik Management Area, a single weir has operated on the Chignik River since 1922 (Pappas and Daigneault *in press*). In the Alaska Peninsula Management Area, a total of seven weirs were operated in 2001. In the Aleutian Islands, two weirs (Summer Bay and McLees Lakes) were operated on Unalaska Island in 2001. Sockeye salmon *Oncorhynchus nerka* are the primary species enumerated at the weirs, although all fish passing through the weir are usually counted (McCullough 2001a). Weirs are generally in operation from late May or early June and may continue operation through early October, depending upon the run timing of the particular salmon stock of interest and the projects funding. If weir counts are not available, aerial surveys are used to estimate the salmon escapement and to manage the fisheries.

This report contains 2001 salmon (*Oncorhynchus tshawytscha*, *O. nerka*, *O. kisutch*, *O. gorbuscha*, *O. keta*) and Dolly Varden (*Salvelinus malma*) weir escapement enumerations for the Chignik, Alaska Peninsula, and Aleutian Islands Management Areas and compares these counts with previous years (Blackburn and Brodie 2001, McCullough 2001b, McCullough *in press*, Murphy et al. *in press*, Pappas and Daigneault *in press*, Dinnocenzo et al. *in press*; Table 1). Other reports (McCullough 1998, McCullough 1999, McCullough 2000) list prior years escapements and weirs that were not operated in 2001 (e.g. Thin Point Lake and Middle Lagoon).

METHODS

Escapement Estimates

The Chignik, Alaska Peninsula, and Aleutian Islands sockeye salmon escapement estimates presented in this report were based primarily on weir counts with the addition of preseason and postseason estimates as noted. The sockeye salmon daily weir counts for 1991 through 2001 were obtained from the escapement database and from ADF&G Regional Information Reports (Blackburn and Brodie 2001, McCullough 1998, McCullough 1999, McCullough 2000, McCullough 2001b,

McCullough *in press*, Murphy et al. *in press*, Pappas and Daigneault *in press*, Dinnocenzo et al. *in press*). Other salmon species and Dolly Varden daily weir counts were obtained from annual weir reports. Although all salmon passed through a weir are counted, the primary goal of the weir projects is to count sockeye salmon. This report does not present preweir or postweir estimates, nor are estimates of salmon spawning below a weir presented except, as noted for each project.

Daily escapement goals were calculated by multiplying the average daily cumulative escapement by the season total escapement goal(s). Preweir or postweir and weir wash out escapement estimates were provided by the area management biologist supervising the project. Table 1 provides dates for actual weir operations, any escapement number provided before or after the weir dates was estimated by the area management biologist from prior weir counts, aerial surveys, and if available, harvest reports. Descriptions of the individual weir operations and the escapement estimates are provided in annual management reports (McCullough *in press*, Murphy et al. *in press*, Pappas and Daigneault *in press*, Dinnocenzo et al. *in press*).

For some systems (Orzinski Lake, Nelson River, and Bear River) the number of jack sockeye salmon (length < 400 mm mid-eye-to-fork-of-tail or age x.1.) in the escapement may be an important consideration although jacks typically comprise less than 10% of the total escapement. If the number of jack sockeye salmon exceeds 10%, as determined by the ADF&G weir crew and from catch samples, the escapement goal may be increased to compensate for the absence of larger salmon. The escapement goal may also be increased above the listed goals if the escapement quality is poor due to a high percent of net marked fish (>50% by species; A. Shaul, ADF&G, Kodiak, personal communication) and/or a poor sex ratio (<40% females by species; A. Shaul, ADF&G, Kodiak, personal communication).

Air and Water Temperatures

Technology has provided an inexpensive means of collecting air and water temperature data. A Chignik restoration project (Kametolook River; Hutchinson-Scarborough and McCullough *in press*) and most Alaska Peninsula weir projects were provided temperature data loggers. Onset StowAwayTM thermographs capable of recording temperatures between -5°C and +37°C were used at several locations to record air and water temperatures. These loggers are capable of recording data about every two hours for up to 375 days before data wrapping occurs. The Onset thermograph can be downloaded and reprogrammed in the field with a small shuttle device. Thermographs were housed in plastic pipe with numerous holes to allow free passage of air and water. For air temperatures, the pipe was then attached in the shade to either brush or the project cabin by means of a wire cable. For water temperatures, the cable was attached to a tree root or other solid object, rocks were added to the interior of the pipe so that the entire unit would sink to about one meter below the water surface. The Kametolook River logger was placed in the instream incubation box and the air temperature logger was placed in an alder patch along the riverbank. The Orzinski Lake and Nelson, Sandy, and Ilnik Rivers air loggers were located in alder patches near the cabins. In the Mortensens Lagoon, Frosty Creek, and Nelson River weir projects, the water temperature loggers were placed in the river and attached to the shore. Several water temperature loggers were lost, probably due to ice cutting the wire cable. The Summer Bay Lake water logger was attached to a bridge piling and the air temperature logger was located under the bridge.

CHIGNIK MANAGEMENT AREA WEIR-CHIGNIK RIVER

The Chignik River weir is located about five km upstream from Chignik Lagoon (Figures 1 and 3). The mouth of the Chignik River is located at 56°16.77' N lat., 158°38.28' W long.

A weir was first constructed in 1922 and was operated annually, except for a few years, by the federal government until statehood (1959) when the State of Alaska, ADF&G began operation of the weir. The weir has been operated as a pile driven weir at its current site since 1949. The weir has a boat gate to allow vessel traffic to pass between the lagoon and Chignik Lake.

At the weir site, the Chignik River is about 122 m in width, averages 1.2 m in depth (ranging from 0.6 m to 3.5 m) and has a gravel substrate with a slight gradient.

A sizable crew is required to install and remove the weir annually (pile driver operator, SCUBA divers, and laborers). After installation, the weir has recently been operated and maintained by six ADF&G employees from late May through early September.

A video camera system, installed at the fish gates, has been used annually to enumerate the fish escapement since 1994 (Bouwens and Vining 2002). Two television monitors and two video cassette recorders (VCR) are set up in the office and connected to underwater video cameras at the fish gates by television cables. Light sources are installed so that fish passage can be observed 24 hours per day. With this system, fish identification is simplified because the species can be readily distinguished. The VCR is capable of freezing a frame or fast forwarding through times of no fish passage. The VCR records all fish, 24 hours per day and stores the data on VHS tapes. These tapes are available for review for species identification and the fish enumeration.

The numbers of fish, presented in the following escapement goal table, were derived from average salmon escapements over several years when run timing and run magnitude were variable. It should be noted that daily escapement levels fluctuate considerably throughout a salmon run. The table serves as a guide for achieving the total escapement for each run. Inseason variations from the figures listed may be due to variations in actual run timing and/or strength of the run (Burgner 1980). The September 1-15 goal of 25,000 Chignik Lake sockeye salmon should provide salmon in concentrations plentiful enough to be caught by subsistence users with a reasonable amount of effort and for spawning purposes (Pappas and Daigneault *in press*).

In 2001, high water washed out the weir on 20 August. From 20-31 August fish observations and commercial harvest data was used to estimate the fish passage past the weir facility (Witteveen 2002).

The Chignik River system sockeye salmon escapement requirements are described as follows:

Black Lake (Early Run)		Chignik Lake (Late Run)	
Date	Escapement Goal	Date	Early Escapement Is Achieved Early Escapement Is Not Achieved
June 12	- 40,000	July 6	40,000
June 14	50,000 - 65,000	July 8	45,000 - 50,000
June 16	75,000 - 100,000	July 10	- 40,000 55,000 - 65,000
June 18	125,000 - 150,000	July 12	50,000 - 60,000 70,000 - 75,000
June 20	175,000 - 200,000	July 14	65,000 - 75,000 75,000 - 80,000
June 22	225,000 - 250,000	July 16	80,000 - 90,000 80,000 - 90,000
June 25	275,000 - 325,000	July 19	100,000 - 115,000 100,000 - 115,000
June 30	350,000 - 400,000	July 21	125,000 - 135,000 125,000 - 135,000
		July 23	145,000 - 160,000 150,000 - 160,000
		July 26	170,000 - 180,000 170,000 - 180,000
		July 29	185,000 - 195,000 190,000 - 195,000
		July 31	195,000 - 200,000 195,000 - 200,000
		Aug 1-31	200,000 - 250,000 200,000 - 250,000
		Sept 1-15	250,000 - 275,000 250,000 - 275,000

The total targeted escapement goal for both Chignik Lake and Black Lake runs through September 15 is 675,000 sockeye salmon (Pappas 2001).

Chignik River chinook salmon escapement goals are based only on a few years of age class data from small sample sizes (Clapsadl and Fleischman *in press*). An initial Biological Escapement Goal (BEG) has been established at 1,450 salmon. To ensure the BEG, an In-River Run Goal (above the weir), of 1,950 salmon was established which apportions 1,450 salmon for spawning and 500 to the sport fishery. Over 50% of the chinook salmon escapement should pass the weir by 11 July (Pappas and Daigneault *in press*).

The Chignik River weir daily and cumulative escapement counts by species and day for 2001 are listed in Table 2. Chignik River cumulative escapement counts by species and day are listed in Appendix A. Appendix A.2 compares the chinook salmon escapement goal to the 1991-2000 average escapement and the 2001 escapement. Appendix A.4 compares the combined sockeye salmon escapement goal to the 1991-2000 average escapement and the 2001 escapement. Appendix A.10 graphs the 2001 Kametolook air temperature. Appendix A.11 graphs the Kametolook water temperature.

ALASKA PENINSULA MANAGEMENT AREA WEIRS

Orzinski Lake Weir

The Orzinski (Orzenoi) Lake weir is located at the outlet of Orzinski Lake, 55°44.00' N lat., 160°05.00' W long. The weir is about 26 m in length and varies from 0.3 m to 0.6 m in depth

(Figures 1 and 3). Salmon were first counted through a weir constructed in 1929 and operated annually by the federal government through 1941 (except for 1933 when the weir was not operated). Since 1990, the weir has been operated annually by two ADF&G employees from early June through late July (Dinnocenzo et al. *in press*).

The Orzinski Lake adult sockeye salmon escapement requirements are described as follows:

<u>Date</u>	<u>Cumulative Escapement Goal</u>
July 1	1,500 - 2,000
July 9	3,750 - 5,000
July 16	7,500 - 10,000
July 23	11,250 - 15,000
<u>August 7</u>	<u>15,000 - 20,000</u>
Season Total	15,000 - 20,000

The targeted escapement goal is 20,000 sockeye salmon and the range is 15,000 to 20,000 salmon (Witteveen and Connolly 2001).

The Orzinski Lake weir daily and cumulative escapement counts by species and day for 2001 are listed in Table 3. Orzinski Lake cumulative escapement counts by species and day are listed in Appendix B. Appendix B.3 compares the sockeye salmon escapement goals to the 1991-2000 average escapement and the 2001 escapement. Appendix B.7 graphs the 2000-2001 Orzinski Lake air temperature.

Mortensens Lagoon Weir

The Mortensens Lagoon weir was located at the mouth of the creek as it enters into Mortensens Lagoon, 55° 08.77' N lat., 162° 38.19' W long. (Figure 1). The weir is about 11 m in length and varies from about 0.5 m to 1.3 m in depth. Salmon were first counted in this system using a weir in 2001 (Kellie Whitton, FWS King Salmon, personal communication). In 2001, the weir was operated by the King Salmon Fishery Resources Office, FWS, with two employees from 1 July to 26 October. The Mortensens Lagoon weir daily and cumulative escapement counts by species and day for 2001 are listed in Table 4. The primary objective of the weir is to monitor escapement and determine whether runs are large enough to support subsistence, sport, and commercial fisheries. Appendix C.1 graphs the 2001 water temperature.

Frosty Creek Weir

In 2001, the Frosty Creek weir was located at the mouth of the creek as it enters Applegate Cove, 55° 11.67' N lat., 162° 51.25' W long. (Figure 1). In 2000, the weir was located about 10 km upstream (137 m downstream of the bridge) from the 2001 location to facilitate a public use survey on Izembek National Wildlife Refuge (Kellie Whitton, FWS King Salmon, personal communication). In 2001 the weir was relocated to facilitate escapement counts. The weir is about

10 m in length and varies from 0.5 to 1.0 m in depth. In 2001, the weir was operated by the King Salmon Fishery Resources Office, FWS, with two employees from 2 July to 16 October. The Frosty Creek weir daily and cumulative escapement counts by species and day for 2001 are listed in Table 5. Appendix D.1 and D.2 graphs the 2000 and 2001 water temperatures.

Nelson River Weir

The Nelson (Sapsuk) River weir is located about midway between the head of Nelson Lagoon and Sapsuk Lake, 55° 41.00' N lat., 161° 01.00' W long. The weir is about 40 m in length and about 0.6 m to 0.9 m in depth (Figures 1 and 3). In 1962 salmon were first counted using a tower rather than a weir. The tower project was operated annually by ADF&G through 1988. In 1989, ADF&G replaced the counting tower with a weir. The weir has been operated annually by two employees from late May through late July (Murphy et al. *in press*).

The Nelson River sockeye salmon escapement requirements are as follows:

<u>Date</u>	<u>Escapement for Period Ending</u>	<u>Cumulative Escapement Goal</u>
June 30	20,000 - 30,000	20,000 - 30,000
July 5	20,000 - 30,000	40,000 - 60,000
July 10	25,000 - 40,000	65,000 - 100,000
July 15	20,000 - 25,000	85,000 - 125,000
July 20	5,000 - 15,000	90,000 - 140,000
July 25	5,000	95,000 - 145,000
<u>July 30</u>	<u>5,000</u>	<u>100,000 - 150,000</u>
Season Total		100,000 - 150,000

The targeted escapement goal is 150,000 sockeye salmon and the range is 100,000 to 150,000 salmon (Murphy and Shaul 2001).

The Nelson River weir daily and cumulative escapement counts by species and day for 2001 are listed in Table 6. Nelson River cumulative escapement counts by species and day are listed in Appendix E. Appendix E.2 compares the chinook salmon escapement goals to the 1997-2000 average escapement and the 2001 escapement. Appendix E.4 compares the sockeye salmon escapement goals to the 1991-2000 average escapement and the 2001 escapement. Appendix E.8 graphs the 2000-2001 Nelson River water temperature. Appendix E.9 graphs the 2000-2001 Nelson River air temperature.

Bear River Weir

The Bear River weir is located about 180 m downstream from Bear Lake, 56° 00.00' N lat., 160° 15.00' W long. The weir is about 53 m in length and varies from 0.6 m to 1.2 m in depth (Figures 1 and 3). A weir was first constructed in 1929 and operated annually by the federal government

through 1932 and from 1953 through 1960. From 1961 through 1985, state employees enumerated salmon using a partial weir and a counting tower. Since 1986, a weir has been operated annually by two ADF&G employees from late May through late August (Murphy et al. *in press*).

The Bear River sockeye salmon escapement requirements are described as follows:

<u>Date</u>	<u>Escapement for Period Ending</u>	<u>Cumulative Escapement Goal</u>
Early Run Component:		
June 15	3,000 - 5,000	3,000 - 5,000
June 20	7,000 - 10,000	10,000 - 15,000
June 25	10,000 - 15,000	20,000 - 30,000
June 30	20,000 - 30,000	40,000 - 60,000
July 5	20,000 - 30,000	70,000 - 80,000
July 10	20,000 - 30,000	90,000 - 110,000
July 15	15,000 - 20,000	110,000 - 125,000
July 16 - August 5	40,000 - 50,000	<u>150,000 - 175000</u>
Early Run Total		150,000 - 175,000
Late Run Component:		
Post August 5	50,000 - 75,000	200,000 - 250,000
Season Total		200,000 - 250,000

If sockeye salmon escapements exceed the upper escapement goal for the July 11-15 period (20,000 salmon), the excess escapement will be applied to the July 16 through August 5 period escapement goal. However, no more than 10,000 sockeye salmon will be applied to the July 16-August 5 period escapement goal. If sockeye salmon escapements during the August 1-5 period exceed the upper escapement goal for the July 16 through August 5 period (50,000 salmon), the excess escapement will be applied to the late run escapement goal (post August 5 period). However, no more than 15,000 sockeye salmon shall be applied to the post August 5 goal. These provisions help ADF&G effectively manage Bear River sockeye salmon when the runs are earlier than expected. The targeted escapement goal is 250,000 sockeye salmon and the range is 200,000 to 250,000 salmon (Murphy and Shaul 2001).

The Bear River weir daily and cumulative escapement counts by species and day for 2000 are listed in Table 7. Bear River cumulative escapement counts by species and day are listed in Appendix F. Appendix F.3 compares the sockeye salmon escapement goals to the 1991-2000 average escapement and the 2001 escapement.

Sandy River Weir

The Sandy River weir is located about five km below Sandy Lake, 56° 07.00' N lat., 159° 55.00' W long. The weir is about 61 m in length and varies from 0.6 m to 1.5 m in depth (Figures 1 and 3). From 1962 through 1964, state employees counted salmon past a tower. Salmon were first counted through a weir constructed in 1994 (same location as the tower counting project). Currently, the weir is operated annually by two ADF&G employees from early June through late July. The targeted escapement goal is 60,000 sockeye salmon and the range is 40,000 to 60,000 salmon (Murphy et al. *In Press*).

The Sandy River sockeye salmon escapement requirements are described as follows:

<u>Date</u>	<u>Escapement for Period Ending</u>	<u>Cumulative Escapement Goal</u>
June 20	2,000 - 3,000	2,000 - 3,000
June 25	3,000 - 5,000	5,000 - 8,000
June 30	8,000 - 12,000	13,000 - 20,000
July 5	10,000 - 15,000	23,000 - 35,000
July 10	7,000 - 10,000	30,000 - 45,000
July 15	5,000	35,000 - 50,000
July 20	1,000 - 5,000	36,000 - 55,000
<u>July 25</u>	<u>4,000 - 5,000</u>	<u>40,000 - 60,000</u>
Season Total		40,000 - 60,000

The targeted escapement goal is 60,000 sockeye salmon and the range is 40,000 to 60,000 (Murphy and Shaul 2001).

The Sandy River weir daily and cumulative escapement counts by species and day for 2001 are listed in Table 8. Sandy River cumulative escapement counts by species and day are listed in Appendix G. Appendix G.3 compares the sockeye salmon escapement goals to the 1994-2000 average escapement and the 2001 escapement. Appendix E.5 graphs the 2000-2001 Sandy River air temperature.

Ilnik River Weir

The Ilnik River weir is one of the longest weirs in the state (Figures 1 and 3). The weir is located about three km downstream from Ilnik village, 56° 34.00' N lat., 159° 41.00' W long., and is about 150 m in length and varies from 0.6 m to 1.5 m in depth. The Ilnik River salmon escapement has been counted through a weir since 1991. Currently, the weir is operated annually by two ADF&G employees from early June through mid July.

The entire systems' sockeye salmon escapement goal, including the Ocean River, ranges from 40,000 to 60,000 salmon as based on weir counts. A dynamic factor to the annual goal is the addition or subtraction of Ocean River escapements, which are dependent upon these waters flowing through the weir or bypassing the weir and flowing directly into the Bering Sea. Since 1991, Ocean River

has flowed into Ilnik Lake and thus through the weir. The targeted escapement goal is 60,000 sockeye salmon and the range is 40,000 to 60,000 salmon (Murphy et al. *In Press*).

Ilnik River sockeye salmon escapement goals if Ocean River flows into Ilnik Lake (thus through the weir) are described as follows:

<u>Date</u>	<u>Escapement for Period Ending</u>	<u>Cumulative Escapement Goal</u>
June 15	4,000 - 6,000	4,000 - 6,000
June 25	4,000 - 6,000	8,000 - 12,000
July 1	8,000 - 12,000	16,000 - 24,000
July 4	10,000 - 12,000	26,000 - 36,000
July 7	6,000 - 12,000	32,000 - 48,000
July 11	4,000 - 6,000	36,000 - 54,000
<u>July 20</u>	<u>4,000 - 6,000</u>	<u>40,000 - 60,000</u>
Season Total		40,000 - 60,000

Ocean River sockeye salmon escapement goals are as follows:

<u>Time Period</u>	<u>Cumulative Aerial Count</u>
June 15	800 - 1,200
June 25	1,600 - 2,400
July 1	3,200 - 4,800
July 4	4,000 - 6,000
July 7	6,400 - 9,600
July 11	7,200 - 10,800
<u>July 20</u>	<u>8,000 - 12,000</u>
Season Total	8,000 - 12,000

The Ocean River escapement goal is only needed if the Ocean River flows directly into the Bering Sea. When this occurs, the Ocean River escapement goal will be subtracted from the Ilnik River escapement goal (Murphy and Shaul 2001).

The Ilnik River weir daily and cumulative escapement counts by species and day for 2001 are listed in Table 9. Ilnik River cumulative escapement counts by species and day are listed in Appendix H. Appendix H.3 compares the sockeye salmon escapement goals to the 1991-2000 average escapement and the 2001 escapement. Appendix H.6 graphs the 2000-2001 Ilnik River air temperature.

ALEUTIAN ISLANDS MANAGEMENT AREA WEIRS

Summer Bay Lake Weir

Summer Bay Lake is located on the northwest coast of Unalaska Island and is accessible by the island road system (Figures 2 and 3). From 1998 through 2001, a smolt/adult weir has been annually installed at the lake outlet at 53° 53.93' N lat., 166° 27.63' W long. The project was designed to investigate the effects of the *M/V Kuroshima* oil spill on the sockeye, coho, and pink salmon of Summer Bay Lake (McCullough 2001c). In 2001, the weir was installed on 1 June and continued until a storm washed it out on 11 September (McCullough *In Press*). Intermittently during the season, the weir was compromised by high water and either did not block fish passage or did so at less than 100% efficiency. In 2001, during missed counts, the escapement was not estimated because the missed counts were infrequent and of short duration. Indexed aerial escapement goals range from 800 to 1,600 sockeye salmon with a targeted goal of 1,000 salmon. The even year indexed aerial escapement goal ranges from 2,400 to 4,800 pink salmon with a targeted goal of 3,000 salmon (A. Shaul, ADF&G, Kodiak, personal communication). The estimated sockeye salmon production based on a lake surface area model is 1,100 salmon (Honnold et al. 1996).

The Summer Bay Lake weir daily and cumulative escapement counts by species and day for 2001 are listed in Table 10. Summer Bay Lake cumulative escapement counts by species and day are listed in Appendix I. Appendix I.2 compares the sockeye salmon escapement goals to the 1998-2000 average escapement and the 2001 escapement. Appendix I.7 graphs the 2000-2001 Summer Bay Lake water temperature. Appendix I.8 graphs the 2000-2001 Summer Bay Lake air temperature.

McLees Lake Weir

The McLees Lake weir was located at the lake outlet on a short reach of stream just prior to where the outlet meets the ocean, 54° 00.08' N lat., 166° 38.62' W long. (Figure 2). The weir is about 10 m in length and varies from about 0.5 m to 1.5 m in depth (Doug Palmer, FWS Homer, personal communication). Salmon were first counted in this system using a weir in 2001. In 2001, the weir was operated by the Homer Salmon Fishery Resources Office, FWS, with three employees from 15 June to 30 July. The McLees Lake weir daily and cumulative escapement counts by species and day for 2001 are listed in Table 11. The primary objective of the weir is to monitor escapement and determine whether runs are large enough to support the local subsistence fishery.

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Table 1. Chignik, Alaska Peninsula, and Aleutian Islands Management Areas weirs: dates operated and salmon enumerated by species, 2001.

Weir Locations	Dates		Number of Salmon					
	Installed	Removed	Chinook	Sockeye	Coho	Pink	Chum	Total
Chignik River ^a	25-May	20-Aug	3,028	1,136,918	103	1,464	66	1,141,579
Orzinski Lake ^b	5-Jun	1-Aug	2	31,200	0	158	10	31,370
Mortenses Lagoon	1-Jul	26-Oct	0	4,266	5,279	0	0	9,545
Frosty Creek ^c	2-Jul	16-Oct	0	232	844	405	35,482	36,963
Nelson River ^d	25-May	25-Jul	6,430	201,962	36,000	224	26,000	270,616
Bear River ^e	28-May	24-Aug	24	300,000	0	1,108	112	301,244
Sandy River ^f	8-Jun	30-Jun	9	51,000	0	1	0	51,010
Ilnik River ^g	27-May	19-Jul	54	58,000	0	25	0	58,079
Summer Bay Lake ^h	1-Jun	11-Sep	0	5,388	23	4,114	0	9,525
McLees Lake	15-Jun	30-Jul	1	45,866	1	0	0	45,868
Total Chignik			3,028	1,136,918	103	1,464	66	1,141,579
Total Peninsula			6,519	646,660	42,123	1,921	61,604	758,827
Total Aleutian Islands			1	51,254	24	4,114	0	55,393

^a Chignik River includes a postweir estimate from 20-31 August of 29,105 sockeye salmon escapement, the sockeye escapement does not include jack sockeye salmon. An additional 6,416 Dolly Varden were counted through the weir.

^b Orzinski Lake includes a postweir estimate of 4,218 sockeye salmon.

^c An additional 2,423 Dolly Varden were counted through the weir.

^d Nelson River includes a postweir estimate of 887 chinook, 29,630 sockeye, 35,973 coho and 23,967 chum salmon.

^e Bear River includes a postweir estimate of 24,651 sockeye salmon.

^f Sandy River includes a postweir estimate of 39,325 sockeye salmon.

^g Ilnik River includes a postweir estimate of 2,443 sockeye salmon.

^h Summer Bay Lake does not include any preweir nor postweir escapement estimates. An additional 3,314 Dolly Varden were counted migrating out of the lake and 1,832 Dolly Varden were counted migrating upstream into the lake.

Table 2. Chignik River weir daily and cumulative escapement counts by species and day, 2001.

Date	Chinook ^a		Sockeye		Coho		Pink		Chum	
	Daily	Cumulative	Daily	Cumulative	Daily	Cumulative	Daily	Cumulative	Daily	Cumulative
24-May	0	0	0	0	0	0	0	0	0	0
25-May	0	0	34	34	0	0	0	0	0	0
26-May	0	0	183	217	0	0	0	0	0	0
27-May	0	0	190	407	0	0	0	0	0	0
28-May	0	0	68	475	0	0	0	0	0	0
29-May	0	0	856	1,331	0	0	0	0	0	0
30-May	0	0	903	2,234	0	0	0	0	0	0
31-May	0	0	875	3,109	0	0	0	0	0	0
1-Jun	0	0	389	3,498	0	0	0	0	0	0
2-Jun	0	0	278	3,776	0	0	0	0	0	0
3-Jun	0	0	2,980	6,756	0	0	0	0	0	0
4-Jun	0	0	6,794	13,550	0	0	0	0	0	0
5-Jun	0	0	5,155	18,705	0	0	0	0	0	0
6-Jun	0	0	1,233	19,938	0	0	0	0	0	0
7-Jun	0	0	7,198	27,136	0	0	0	0	0	0
8-Jun	0	0	15,600	42,736	0	0	0	0	0	0
9-Jun	0	0	14,478	57,214	0	0	0	0	0	0
10-Jun	0	0	10,893	68,107	0	0	0	0	0	0
11-Jun	0	0	17,211	85,318	0	0	0	0	0	0
12-Jun	0	0	18,425	103,743	0	0	0	0	0	0
13-Jun	0	0	21,996	125,739	0	0	0	0	0	0
14-Jun	0	0	18,930	144,669	0	0	0	0	0	0
15-Jun	0	0	32,080	176,749	0	0	0	0	0	0
16-Jun	0	0	38,629	215,378	0	0	0	0	6	6
17-Jun	0	0	37,688	253,066	0	0	0	0	0	6
18-Jun	0	0	23,522	276,588	0	0	0	0	0	6
19-Jun	0	0	28,684	305,272	0	0	0	0	0	6
20-Jun	0	0	61,341	366,613	0	0	0	0	0	6
21-Jun	0	0	60,523	427,136	0	0	0	0	0	6
22-Jun	18	18	49,829	476,965	0	0	0	0	0	6
23-Jun	0	18	38,309	515,274	0	0	0	0	0	6
24-Jun	0	18	28,742	544,016	0	0	0	0	0	6
25-Jun	0	18	31,771	575,787	0	0	0	0	0	6
26-Jun	0	18	30,722	606,509	0	0	0	0	0	6
27-Jun	0	18	25,523	632,032	0	0	0	0	0	6
28-Jun	36	54	34,615	666,647	0	0	0	0	0	6
29-Jun	31	85	33,038	699,685	0	0	0	0	0	6
30-Jun	43	128	17,849	717,534	0	0	6	6	0	6
1-Jul	129	257	45,274	762,808	0	0	30	36	0	6
2-Jul	228	485	67,674	830,482	0	0	54	90	0	6
3-Jul	162	647	16,636	847,118	0	0	78	168	0	6
4-Jul	84	731	3,230	850,348	0	0	6	174	0	6
5-Jul	48	779	1,107	851,455	0	0	0	174	0	6
6-Jul	78	857	2,316	853,771	0	0	12	186	6	12
7-Jul	108	965	3,290	857,061	0	0	18	204	6	18
8-Jul	123	1,088	2,937	859,998	0	0	18	222	6	24
9-Jul	70	1,158	1,653	861,651	0	0	0	222	0	24
10-Jul	60	1,218	2,054	863,705	0	0	0	222	0	24
11-Jul	62	1,280	1,119	864,824	0	0	12	234	0	24

-Continued-

Table 2. (page 2 of 2)

Date	Chinook ^a		Sockeye		Coho		Pink		Chum	
	Daily	Cumulative	Daily	Cumulative	Daily	Cumulative	Daily	Cumulative	Daily	Cumulative
12-Jul	24	1,304	941	865,765	0	0	12	246	0	24
13-Jul	24	1,328	700	866,465	0	0	12	258	6	30
14-Jul	108	1,436	463	866,928	0	0	18	276	0	30
15-Jul	60	1,496	1,702	868,630	0	0	18	294	0	30
16-Jul	160	1,656	8,891	877,521	0	0	42	336	0	30
17-Jul	162	1,818	11,822	889,343	0	0	0	336	0	30
18-Jul	198	2,016	13,487	902,830	0	0	6	342	0	30
19-Jul	136	2,152	18,620	921,450	6	6	18	360	0	30
20-Jul	85	2,237	8,551	930,001	0	6	12	372	0	30
21-Jul	88	2,325	7,575	937,576	0	6	30	402	0	30
22-Jul	127	2,452	12,880	950,456	0	6	12	414	0	30
23-Jul	61	2,513	17,782	968,238	0	6	18	432	0	30
24-Jul	96	2,609	23,970	992,208	0	6	18	450	0	30
25-Jul	54	2,663	22,532	1,014,740	0	6	12	462	0	30
26-Jul	39	2,702	17,991	1,032,731	0	6	48	510	0	30
27-Jul	12	2,714	1,460	1,034,191	0	6	12	522	0	30
28-Jul	12	2,726	752	1,034,943	0	6	12	534	0	30
29-Jul	18	2,744	601	1,035,544	0	6	60	594	0	30
30-Jul	12	2,756	343	1,035,887	0	6	60	654	0	30
31-Jul	60	2,816	313	1,036,200	0	6	12	666	0	30
1-Aug	6	2,822	1,124	1,037,324	0	6	12	678	0	30
2-Aug	36	2,858	4,922	1,042,246	0	6	30	708	0	30
3-Aug	18	2,876	6,187	1,048,433	0	6	54	762	6	36
4-Aug	30	2,906	6,846	1,055,279	0	6	6	768	6	42
5-Aug	18	2,924	8,529	1,063,808	0	6	48	816	0	42
6-Aug	6	2,930	1,442	1,065,250	0	6	36	852	0	42
7-Aug	0	2,930	755	1,066,005	0	6	24	876	0	42
8-Aug	13	2,943	742	1,066,747	0	6	18	894	0	42
9-Aug	12	2,955	539	1,067,286	0	6	0	894	0	42
10-Aug	6	2,961	660	1,067,946	0	6	12	906	0	42
11-Aug	6	2,967	682	1,068,628	6	12	42	948	0	42
12-Aug	0	2,967	826	1,069,454	0	12	48	996	0	42
13-Aug	12	2,979	837	1,070,291	0	12	6	1,002	6	48
14-Aug	0	2,979	1,032	1,071,323	6	18	30	1,032	6	54
15-Aug	7	2,986	8,464	1,079,787	13	31	36	1,068	0	54
16-Aug	24	3,010	20,014	1,099,801	12	43	162	1,230	0	54
17-Aug	6	3,016	5,379	1,105,180	24	67	108	1,338	0	54
18-Aug	6	3,022	1,127	1,106,307	30	97	48	1,386	0	54
19-Aug	6	3,028	1,506	1,107,813	6	103	78	1,464	12	66
Cumulative		3,028		1,107,813		103		1,464		66
Postweir ^b		0		29,105		0		0		0
Total		3,028		1,136,918		103		1,464		66

^a No escapement adjustments are made for chinook salmon that spawn below the weir, or those removed by the sport fishery.^b Weir was washed out on 20 August, escapement includes a postweir (20-31 August) estimate of 29,105 sockeye salmon.

Table 3. Orzinski Lake weir daily and cumulative escapement counts by species and day, 2001.

Date	Chinook		Sockeye ^a		Coho		Pink		Chum	
	Daily	Cumulative	Daily	Cumulative	Daily	Cumulative	Daily	Cumulative	Daily	Cumulative
5-Jun	0	0	0	0	0	0	0	0	0	0
10-Jun	0	0	1	1	0	0	0	0	0	0
11-Jun	0	0	0	1	0	0	0	0	0	0
12-Jun	0	0	0	1	0	0	0	0	0	0
13-Jun	0	0	0	1	0	0	0	0	0	0
14-Jun	0	0	0	1	0	0	0	0	0	0
15-Jun	0	0	18	19	0	0	0	0	0	0
16-Jun	0	0	18	37	0	0	0	0	0	0
17-Jun	0	0	22	59	0	0	0	0	0	0
18-Jun	0	0	53	112	0	0	0	0	0	0
19-Jun	0	0	22	134	0	0	0	0	0	0
20-Jun	0	0	66	200	0	0	0	0	0	0
21-Jun	0	0	5	205	0	0	0	0	0	0
22-Jun	0	0	892	1,097	0	0	0	0	0	0
23-Jun	0	0	202	1,299	0	0	0	0	1	1
24-Jun	0	0	0	1,299	0	0	0	0	0	1
25-Jun	0	0	0	1,299	0	0	0	0	0	1
26-Jun	0	0	0	1,299	0	0	0	0	0	1
27-Jun	0	0	1,190	2,489	0	0	0	0	0	1
28-Jun	0	0	225	2,714	0	0	0	0	0	1
29-Jun	0	0	0	2,714	0	0	0	0	0	1
30-Jun	2	2	4,175	6,889	0	0	0	0	0	1
1-Jul	0	2	691	7,580	0	0	0	0	0	1
2-Jul	0	2	722	8,302	0	0	0	0	0	1
3-Jul	0	2	1,612	9,914	0	0	0	0	0	1
4-Jul	0	2	46	9,960	0	0	0	0	0	1
5-Jul	0	2	0	9,960	0	0	0	0	0	1
6-Jul	0	2	409	10,369	0	0	0	0	0	1
7-Jul	0	2	461	10,830	0	0	0	0	0	1
8-Jul	0	2	1,384	12,214	0	0	0	0	0	1
9-Jul	0	2	2,463	14,677	0	0	5	5	0	1
10-Jul	0	2	221	14,898	0	0	0	5	0	1
11-Jul	0	2	252	15,150	0	0	0	5	0	1
12-Jul	0	2	434	15,584	0	0	0	5	0	1
13-Jul	0	2	105	15,689	0	0	0	5	0	1
14-Jul	0	2	892	16,581	0	0	0	5	0	1
15-Jul	0	2	1,749	18,330	0	0	3	8	1	2
16-Jul	0	2	816	19,146	0	0	3	11	1	3
17-Jul	0	2	595	19,741	0	0	0	11	0	3
18-Jul	0	2	1,264	21,005	0	0	2	13	0	3
19-Jul	0	2	332	21,337	0	0	0	13	0	3
20-Jul	0	2	105	21,442	0	0	1	14	1	4
21-Jul	0	2	114	21,556	0	0	0	14	0	4
22-Jul	0	2	316	21,872	0	0	2	16	0	4
23-Jul	0	2	291	22,163	0	0	0	16	0	4
24-Jul	0	2	76	22,239	0	0	1	17	0	4
25-Jul	0	2	510	22,749	0	0	4	21	0	4
26-Jul	0	2	526	23,275	0	0	6	27	1	5
27-Jul	0	2	1,716	24,991	0	0	39	66	3	8

-Continued-

Table 3. (page 2 of 2)

Date	Chinook		Sockeye ^a		Coho		Pink		Chum	
	Daily	Cumulative	Daily	Cumulative	Daily	Cumulative	Daily	Cumulative	Daily	Cumulative
28-Jul	0	2	932	25,923	0	0	46	112	0	8
29-Jul	0	2	224	26,147	0	0	2	114	0	8
30-Jul	0	2	313	26,460	0	0	27	141	0	8
31-Jul	0	2	522	26,982	0	0	17	158	2	10
Cumulative		2		26,982		0		158		10
Postweir		0		4,218		0		0		0
Total		2		31,200		0		158		10

^a Weir was removed on 1 August, sockeye escapement includes a postweir estimate of 4,218 salmon.

Table 4. Mortensens Lagoon weir daily and cumulative escapement counts by species and day, 2001.

Date	Sockeye ^a		Coho ^a	
	Daily	Cumulative	Daily	Cumulative
1-Jul	11	11	0	0
2-Jul	6	17	0	0
3-Jul	0	17	0	0
4-Jul	0	17	0	0
5-Jul	0	17	0	0
6-Jul	0	17	0	0
7-Jul	0	17	0	0
8-Jul	2	19	0	0
9-Jul	0	19	0	0
10-Jul	0	19	0	0
11-Jul	0	19	0	0
12-Jul	0	19	0	0
13-Jul	1	20	0	0
14-Jul	64	84	0	0
15-Jul	535	619	0	0
16-Jul	27	646	0	0
17-Jul	20	666	0	0
18-Jul	17	683	0	0
19-Jul	37	720	0	0
20-Jul	4	724	0	0
21-Jul	1	725	0	0
22-Jul	31	756	0	0
23-Jul	51	807	0	0
24-Jul	69	876	0	0
25-Jul	13	889	0	0
26-Jul	1	890	0	0
27-Jul	42	932	0	0
28-Jul	4	936	0	0
29-Jul	104	1,040	0	0
30-Jul	3	1,043	0	0
31-Jul	148	1,191	0	0
1-Aug	1	1,192	0	0
2-Aug	331	1,523	0	0
3-Aug	3	1,526	0	0

-Continued-

Table 4. (page 2 of 4)

Date	Sockeye ^a		Coho ^a	
	Daily	Cumulative	Daily	Cumulative
4-Aug	0	1,526	0	0
5-Aug	1	1,527	0	0
6-Aug	3	1,530	0	0
7-Aug	13	1,543	0	0
8-Aug	2,057	3,600	0	0
9-Aug	92	3,692	0	0
10-Aug	10	3,702	0	0
11-Aug	8	3,710	0	0
12-Aug	74	3,784	0	0
13-Aug	18	3,802	0	0
14-Aug	1	3,803	0	0
15-Aug	84	3,887	0	0
16-Aug	56	3,943	0	0
17-Aug	10	3,953	0	0
18-Aug	2	3,955	0	0
19-Aug	108	4,063	0	0
20-Aug	18	4,081	0	0
21-Aug	1	4,082	1	1
22-Aug	7	4,089	2	3
23-Aug	3	4,092	0	3
24-Aug	0	4,092	0	3
25-Aug	0	4,092	0	3
26-Aug	21	4,113	0	3
27-Aug	5	4,118	0	3
28-Aug	4	4,122	0	3
29-Aug	1	4,123	5	8
30-Aug	0	4,123	0	8
31-Aug	0	4,123	0	8
1-Sep	60	4,183	3	11
2-Sep	3	4,186	8	19
3-Sep	10	4,196	14	33
4-Sep	16	4,212	11	44
5-Sep	22	4,234	6	50
6-Sep	4	4,238	7	57
7-Sep	8	4,246	8	65

-Continued-

Table 4. (page 3 of 4)

Date	Sockeye ^a		Coho ^a	
	Daily	Cumulative	Daily	Cumulative
8-Sep	14	4,260	14	79
9-Sep	2	4,262	0	79
10-Sep	4	4,266	180	259
11-Sep	0	4,266	1,535	1,794
12-Sep	0	4,266	343	2,137
13-Sep	0	4,266	55	2,192
14-Sep	0	4,266	29	2,221
15-Sep	0	4,266	565	2,786
16-Sep	0	4,266	211	2,997
17-Sep	0	4,266	173	3,170
18-Sep	0	4,266	236	3,406
19-Sep	0	4,266	317	3,723
20-Sep	0	4,266	685	4,408
21-Sep	0	4,266	313	4,721
22-Sep	0	4,266	17	4,738
23-Sep	0	4,266	24	4,762
24-Sep	0	4,266	13	4,775
25-Sep	0	4,266	4	4,779
26-Sep	0	4,266	18	4,797
27-Sep	0	4,266	16	4,813
28-Sep	0	4,266	2	4,815
29-Sep	0	4,266	0	4,815
30-Sep	0	4,266	5	4,820
1-Oct	0	4,266	4	4,824
2-Oct	0	4,266	0	4,824
3-Oct	0	4,266	0	4,824
4-Oct	0	4,266	5	4,829
5-Oct	0	4,266	35	4,864
6-Oct	0	4,266	80	4,944
7-Oct	0	4,266	26	4,970
8-Oct	0	4,266	50	5,020
9-Oct	0	4,266	36	5,056
10-Oct	0	4,266	11	5,067
11-Oct	0	4,266	11	5,078
12-Oct	0	4,266	2	5,080

-Continued-

Table 4. (page 4 of 4)

Date	Sockeye ^a		Coho ^a	
	Daily	Cumulative	Daily	Cumulative
13-Oct	0	4,266	0	5,080
14-Oct	0	4,266	3	5,083
15-Oct	0	4,266	1	5,084
16-Oct	0	4,266	37	5,121
17-Oct	0	4,266	115	5,236
18-Oct	0	4,266	36	5,272
19-Oct	0	4,266	5	5,277
20-Oct	0	4,266	2	5,279
21-Oct	0	4,266	0	5,279
22-Oct	0	4,266	0	5,279
23-Oct	0	4,266	0	5,279
24-Oct	0	4,266	0	5,279
25-Oct	0	4,266	0	5,279
26-Oct	0	4,266	0	5,279
Total		4,266		5,279

^a Counts may be low due to salmon going around and over the weir, especially during high tides.

Table 5. Frosty Creek weir daily and cumulative escapement counts by species and day, 2001.

Date	Sockeye		Coho		Pink		Chum		Dolly Varden Upstream	
	Daily	Cumulative	Daily	Cumulative	Daily	Cumulative	Daily	Cumulative	Daily	Cumulative
2-Jul	0	0	0	0	0	0	7	7	0	0
3-Jul	0	0	0	0	0	0	2	9	0	0
4-Jul	8	8	0	0	0	0	635	644	5	5
5-Jul	3	11	0	0	0	0	73	717	0	5
6-Jul	2	13	0	0	0	0	20	737	0	5
7-Jul	2	15	0	0	0	0	44	781	0	5
8-Jul	3	18	0	0	0	0	326	1,107	2	7
9-Jul	0	18	0	0	0	0	88	1,195	1	8
10-Jul	4	22	0	0	0	0	511	1,706	15	23
11-Jul	8	30	0	0	0	0	370	2,076	4	27
12-Jul	4	34	0	0	1	1	74	2,150	4	31
13-Jul	1	35	0	0	0	1	130	2,280	0	31
14-Jul	32	67	0	0	0	1	2,901	5,181	10	41
15-Jul	22	89	0	0	0	1	1,005	6,186	23	64
16-Jul	3	92	0	0	0	1	438	6,624	4	68
17-Jul	1	93	0	0	0	1	136	6,760	1	69
18-Jul	5	98	0	0	0	1	607	7,367	20	89
19-Jul	3	101	0	0	0	1	284	7,651	56	145
20-Jul	2	103	0	0	0	1	217	7,868	63	208
21-Jul	2	105	0	0	2	3	128	7,996	44	252
22-Jul	1	106	0	0	0	3	176	8,172	34	286
23-Jul	2	108	0	0	0	3	228	8,400	17	303
24-Jul	2	110	0	0	1	4	1,601	10,001	80	383
25-Jul	6	116	0	0	1	5	619	10,620	35	418
26-Jul	14	130	0	0	4	9	1,733	12,353	154	572
27-Jul	18	148	0	0	4	13	3,170	15,523	171	743
28-Jul	8	156	0	0	5	18	376	15,899	232	975
29-Jul	0	156	0	0	0	18	0	15,899	21	996
30-Jul	2	158	0	0	2	20	155	16,054	160	1,156
31-Jul	12	170	0	0	6	26	219	16,273	104	1,260
1-Aug	0	170	0	0	0	26	52	16,325	100	1,360
2-Aug	1	171	0	0	3	29	141	16,466	57	1,417
3-Aug	3	174	0	0	2	31	285	16,751	3	1,420
4-Aug	1	175	0	0	0	31	233	16,984	53	1,473
5-Aug	0	175	0	0	0	31	94	17,078	29	1,502
6-Aug	0	175	0	0	8	39	111	17,189	30	1,532
7-Aug	8	183	0	0	2	41	142	17,331	36	1,568
8-Aug	8	191	0	0	11	52	227	17,558	29	1,597
9-Aug	11	202	0	0	23	75	359	17,917	73	1,670
10-Aug	0	202	0	0	11	86	47	17,964	56	1,726
11-Aug	2	204	1	1	5	91	51	18,015	124	1,850
12-Aug	0	204	0	1	6	97	96	18,111	11	1,861
13-Aug	6	210	0	1	21	118	951	19,062	113	1,974
14-Aug	2	212	2	3	14	132	640	19,702	104	2,078
15-Aug	0	212	0	3	19	151	634	20,336	95	2,173

-Continued-

Table 5. (page 2 of 3)

Date	Sockeye		Coho		Pink		Chum		Dolly Varden Upstream	
	Daily	Cumulative	Daily	Cumulative	Daily	Cumulative	Daily	Cumulative	Daily	Cumulative
16-Aug	1	213	0	3	2	153	50	20,386	15	2,188
17-Aug	5	218	0	3	9	162	242	20,628	23	2,211
18-Aug	2	220	0	3	15	177	137	20,765	5	2,216
19-Aug	5	225	0	3	34	211	3,469	24,234	36	2,252
20-Aug	0	225	0	3	4	215	20	24,254	0	2,252
21-Aug	1	226	0	3	29	244	552	24,806	7	2,259
22-Aug	0	226	8	11	15	259	476	25,282	7	2,266
23-Aug	0	226	3	14	1	260	18	25,300	10	2,276
24-Aug	0	226	0	14	10	270	232	25,532	8	2,284
25-Aug	0	226	3	17	9	279	61	25,593	4	2,288
26-Aug	1	227	1	18	15	294	752	26,345	7	2,295
27-Aug	1	228	16	34	19	313	1,260	27,605	18	2,313
28-Aug	0	228	4	38	7	320	294	27,899	6	2,319
29-Aug	0	228	21	59	18	338	649	28,548	11	2,330
30-Aug	0	228	21	80	23	361	1,925	30,473	11	2,341
31-Aug	0	228	2	82	1	362	107	30,580	0	2,341
1-Sep	1	229	1	83	15	377	75	30,655	0	2,341
2-Sep	0	229	3	86	0	377	137	30,792	0	2,341
3-Sep	0	229	0	86	0	377	0	30,792	0	2,341
4-Sep	0	229	1	87	2	379	1,398	32,190	0	2,341
5-Sep	0	229	4	91	5	384	186	32,376	2	2,343
6-Sep	0	229	13	104	6	390	478	32,854	2	2,345
7-Sep	0	229	11	115	6	396	621	33,475	1	2,346
8-Sep	0	229	0	115	0	396	161	33,636	0	2,346
9-Sep	0	229	4	119	1	397	218	33,854	1	2,347
10-Sep	0	229	6	125	2	399	192	34,046	1	2,348
11-Sep	0	229	1	126	0	399	6	34,052	0	2,348
12-Sep	0	229	12	138	0	399	129	34,181	1	2,349
13-Sep	1	230	5	143	2	401	106	34,287	1	2,350
14-Sep	0	230	8	151	0	401	96	34,383	4	2,354
15-Sep	0	230	0	151	0	401	64	34,447	1	2,355
16-Sep	0	230	2	153	0	401	85	34,532	0	2,355
17-Sep	0	230	3	156	2	403	186	34,718	0	2,355
18-Sep	0	230	0	156	0	403	64	34,782	0	2,355
19-Sep	0	230	2	158	0	403	103	34,885	1	2,356
20-Sep	0	230	504	662	1	404	378	35,263	11	2,367
21-Sep	1	231	60	722	1	405	69	35,332	1	2,368
22-Sep	1	232	34	756	0	405	52	35,384	1	2,369
23-Sep	0	232	22	778	0	405	17	35,401	3	2,372
24-Sep	0	232	0	778	0	405	1	35,402	0	2,372
25-Sep	0	232	0	778	0	405	1	35,403	0	2,372
26-Sep	0	232	5	783	0	405	16	35,419	16	2,388
27-Sep	0	232	2	785	0	405	16	35,435	0	2,388
28-Sep	0	232	2	787	0	405	4	35,439	0	2,388
29-Sep	0	232	1	788	0	405	6	35,445	0	2,388

-Continued-

Table 5. (page 3 of 3)

Date	Sockeye		Coho		Pink		Chum		Dolly Varden Upstream	
	Daily	Cumulative	Daily	Cumulative	Daily	Cumulative	Daily	Cumulative	Daily	Cumulative
30-Sep	0	232	0	788	0	405	1	35,446	2	2,390
1-Oct	0	232	2	790	0	405	8	35,454	3	2,393
2-Oct	0	232	0	790	0	405	2	35,456	0	2,393
3-Oct	0	232	8	798	0	405	20	35,476	4	2,397
4-Oct	0	232	3	801	0	405	0	35,476	1	2,398
5-Oct	0	232	1	802	0	405	0	35,476	2	2,400
6-Oct	0	232	6	808	0	405	0	35,476	2	2,402
7-Oct	0	232	2	810	0	405	1	35,477	15	2,417
8-Oct	0	232	30	840	0	405	4	35,481	5	2,422
9-Oct	0	232	1	841	0	405	0	35,481	0	2,422
10-Oct	0	232	1	842	0	405	0	35,481	0	2,422
11-Oct	0	232	0	842	0	405	0	35,481	0	2,422
12-Oct	0	232	0	842	0	405	0	35,481	0	2,422
13-Oct	0	232	1	843	0	405	1	35,482	0	2,422
14-Oct	0	232	0	843	0	405	0	35,482	0	2,422
15-Oct	0	232	0	843	0	405	0	35,482	0	2,422
16-Oct	0	232	1	844	0	405	0	35,482	1	2,423
Total		232		844		405		35,482		2,423

Table 6. Nelson River weir daily and cumulative escapement counts by species and day, 2001.

Chinook ^a		Sockeye ^a		Coho ^a		Pink		Chum ^a		
Date	Daily	Cumulative	Daily	Cumulative	Daily	Cumulative	Daily	Cumulative	Daily	Cumulative
25 May-6 Jun	0	0	0	0	0	0	0	0	0	0
7-Jun	1	1	0	0	0	0	0	0	0	0
8-Jun	1	2	27	27	0	0	0	0	0	0
9-Jun	8	10	100	127	0	0	0	0	0	0
10-Jun	1	11	0	127	0	0	0	0	0	0
11-Jun	4	15	13	140	0	0	0	0	0	0
12-Jun	7	22	123	263	0	0	0	0	0	0
13-Jun	6	28	178	441	0	0	0	0	0	0
14-Jun	38	66	1,071	1,512	0	0	0	0	0	0
15-Jun	22	88	1,101	2,613	0	0	0	0	0	0
16-Jun	32	120	2,270	4,883	0	0	0	0	0	0
17-Jun	5	125	1,091	5,974	0	0	0	0	0	0
18-Jun	59	184	6,618	12,592	0	0	0	0	0	0
19-Jun	73	257	5,273	17,865	0	0	0	0	0	0
20-Jun	107	364	1,142	19,007	0	0	0	0	0	0
21-Jun	171	535	4,515	23,522	0	0	0	0	0	0
22-Jun	146	681	5,088	28,610	0	0	0	0	0	0
23-Jun	237	918	4,419	33,029	0	0	0	0	0	0
24-Jun	306	1,224	3,559	36,588	0	0	0	0	0	0
25-Jun	289	1,513	7,530	44,118	0	0	0	0	0	0
26-Jun	340	1,853	4,692	48,810	0	0	0	0	0	0
27-Jun	230	2,083	4,129	52,939	0	0	0	0	0	0
28-Jun	299	2,382	3,401	56,340	0	0	0	0	0	0
29-Jun	204	2,586	4,352	60,692	0	0	0	0	0	0
30-Jun	145	2,731	5,293	65,985	0	0	0	0	0	0
1-Jul	214	2,945	11,643	77,628	0	0	0	0	0	0
2-Jul	149	3,094	17,732	95,360	0	0	0	0	0	0
3-Jul	397	3,491	13,019	108,379	0	0	0	0	0	0
4-Jul	287	3,778	7,583	115,962	0	0	1	1	0	0
5-Jul	228	4,006	5,174	121,136	0	0	1	2	0	0
6-Jul	457	4,463	5,296	126,432	0	0	3	5	0	0
7-Jul	321	4,784	3,369	129,801	0	0	2	7	0	0
8-Jul	114	4,898	4,804	134,605	0	0	3	10	0	0
9-Jul	38	4,936	4,506	139,111	0	0	3	13	3	3
10-Jul	52	4,988	5,930	145,041	0	0	1	14	4	7
11-Jul	13	5,001	3,039	148,080	0	0	3	17	3	10
12-Jul	99	5,100	2,785	150,865	0	0	10	27	7	17
13-Jul	142	5,242	2,723	153,588	0	0	5	32	7	24
14-Jul	70	5,312	2,854	156,442	0	0	6	38	12	36
15-Jul	26	5,338	2,361	158,803	0	0	1	39	25	61
16-Jul	12	5,350	1,444	160,247	0	0	3	42	18	79
17-Jul	8	5,358	1,921	162,168	0	0	7	49	28	107
18-Jul	23	5,381	2,121	164,289	0	0	14	63	101	208
19-Jul	14	5,395	1,962	166,251	0	0	28	91	325	533
20-Jul	21	5,416	1,142	167,393	0	0	11	102	176	709
21-Jul	13	5,429	990	168,383	0	0	8	110	117	826
22-Jul	46	5,475	1,605	169,988	0	0	16	126	226	1,052
23-Jul	54	5,529	1,043	171,031	0	0	30	156	203	1,255
24-Jul	14	5,543	1,301	172,332	3	3	68	224	778	2,033
Cumulative		5,543		172,332		3		224		2,033
Postweir		887		29,630		35,997		0		23,967
Total		6,430		201,962		36,000		0		26,000

^a Escapement includes a postweir estimate of 887 chinook, 29,630 sockeye, 35,997 coho and 23,967 chum salmon.

Table 7. Bear River weir daily and cumulative escapement counts by species and day, 2001.

Date	Chinook		Sockeye ^a		Coho		Pink		Chum	
	Daily	Cumulative	Daily	Cumulative	Daily	Cumulative	Daily	Cumulative	Daily	Cumulative
28-May	0	0	0	0	0	0	0	0	0	0
29-May	0	0	4	4	0	0	0	0	0	0
30-May	0	0	8	12	0	0	0	0	0	0
31-May	0	0	3	15	0	0	0	0	0	0
1-Jun	0	0	16	31	0	0	0	0	0	0
2-Jun	0	0	28	59	0	0	0	0	0	0
3-Jun	0	0	93	152	0	0	0	0	0	0
4-Jun	0	0	49	201	0	0	0	0	0	0
5-Jun	0	0	53	254	0	0	0	0	0	0
6-Jun	0	0	127	381	0	0	0	0	0	0
7-Jun	0	0	144	525	0	0	0	0	0	0
8-Jun	0	0	148	673	0	0	0	0	0	0
9-Jun	0	0	306	979	0	0	0	0	0	0
10-Jun	0	0	458	1,437	0	0	0	0	0	0
11-Jun	0	0	361	1,798	0	0	0	0	0	0
12-Jun	0	0	419	2,217	0	0	0	0	0	0
13-Jun	0	0	733	2,950	0	0	0	0	0	0
14-Jun	0	0	390	3,340	0	0	0	0	0	0
15-Jun	0	0	1,329	4,669	0	0	0	0	0	0
16-Jun	0	0	1,389	6,058	0	0	0	0	0	0
17-Jun	0	0	2,456	8,514	0	0	0	0	0	0
18-Jun	0	0	3,624	12,138	0	0	0	0	0	0
19-Jun	0	0	2,888	15,026	0	0	0	0	0	0
20-Jun	0	0	1,892	16,918	0	0	0	0	0	0
21-Jun	0	0	757	17,675	0	0	0	0	0	0
22-Jun	0	0	1,496	19,171	0	0	0	0	0	0
23-Jun	1	1	19,480	38,651	0	0	0	0	0	0
24-Jun	0	1	1,598	40,249	0	0	0	0	0	0
25-Jun	0	1	3,533	43,782	0	0	0	0	0	0
26-Jun	0	1	1,304	45,086	0	0	0	0	0	0
27-Jun	0	1	1,329	46,415	0	0	0	0	0	0
28-Jun	0	1	1,583	47,998	0	0	0	0	0	0
29-Jun	0	1	1,260	49,258	0	0	0	0	0	0
30-Jun	0	1	1,431	50,689	0	0	0	0	0	0
1-Jul	0	1	1,385	52,074	0	0	0	0	0	0
2-Jul	0	1	1,288	53,362	0	0	0	0	1	1
3-Jul	0	1	3,060	56,422	0	0	2	2	0	1
4-Jul	0	1	5,030	61,452	0	0	0	2	0	1
5-Jul	0	1	1,745	63,197	0	0	0	2	0	1
6-Jul	0	1	3,504	66,701	0	0	0	2	0	1
7-Jul	0	1	2,917	69,618	0	0	1	3	0	1
8-Jul	0	1	8,085	77,703	0	0	0	3	0	1
9-Jul	0	1	14,036	91,739	0	0	2	5	0	1
10-Jul	1	2	4,947	96,686	0	0	8	13	0	1
11-Jul	0	2	2,505	99,191	0	0	2	15	0	1
12-Jul	0	2	1,717	100,908	0	0	5	20	0	1
13-Jul	0	2	751	101,659	0	0	2	22	1	2

-Continued-

Table 7. (page 2 of 2)

Date	Chinook		Sockeye ^a		Coho		Pink		Chum	
	Daily	Cumulative	Daily	Cumulative	Daily	Cumulative	Daily	Cumulative	Daily	Cumulative
14-Jul	0	2	5,325	106,984	0	0	17	39	1	3
15-Jul	1	3	1,985	108,969	0	0	6	45	0	3
16-Jul	0	3	715	109,684	0	0	5	50	0	3
17-Jul	0	3	5,099	114,783	0	0	15	65	2	5
18-Jul	1	4	10,579	125,362	0	0	23	88	0	5
19-Jul	0	4	1,606	126,968	0	0	4	92	0	5
20-Jul	0	4	804	127,772	0	0	11	103	0	5
21-Jul	4	8	6,053	133,825	0	0	15	118	0	5
22-Jul	0	8	7,540	141,365	0	0	42	160	0	5
23-Jul	2	10	19,140	160,505	0	0	55	215	1	6
24-Jul	0	10	7,601	168,106	0	0	42	257	0	6
25-Jul	0	10	2,013	170,119	0	0	17	274	0	6
26-Jul	1	11	1,409	171,528	0	0	23	297	0	6
27-Jul	0	11	1,374	172,902	0	0	7	304	1	7
28-Jul	0	11	1,132	174,034	0	0	14	318	0	7
29-Jul	0	11	1,106	175,140	0	0	14	332	0	7
30-Jul	0	11	1,257	176,397	0	0	9	341	0	7
31-Jul	0	11	1,098	177,495	0	0	9	350	0	7
1-Aug	0	11	994	178,489	0	0	12	362	0	7
2-Aug	0	11	1,181	179,670	0	0	13	375	1	8
3-Aug	0	11	2,722	182,392	0	0	29	404	1	9
4-Aug	0	11	721	183,113	0	0	4	408	0	9
5-Aug	2	13	9,483	192,596	0	0	63	471	1	10
6-Aug	1	14	6,559	199,155	0	0	48	519	2	12
7-Aug	1	15	12,695	211,850	0	0	50	569	3	15
8-Aug	0	15	5,547	217,397	0	0	19	588	2	17
9-Aug	0	15	6,470	223,867	0	0	37	625	0	17
10-Aug	0	15	20,195	244,062	0	0	88	713	3	20
11-Aug	1	16	6,020	250,082	0	0	39	752	0	20
12-Aug	1	17	1,661	251,743	0	0	26	778	1	21
13-Aug	2	19	1,175	252,918	0	0	15	793	3	24
14-Aug	3	22	1,802	254,720	0	0	41	834	3	27
15-Aug	0	22	1,392	256,112	0	0	20	854	2	29
16-Aug	0	22	761	256,873	0	0	24	878	1	30
17-Aug	0	22	1,149	258,022	0	0	17	895	1	31
18-Aug	0	22	1,950	259,972	0	0	25	920	3	34
19-Aug	2	24	1,908	261,880	0	0	39	959	6	40
20-Aug	0	24	212	262,092	0	0	7	966	0	40
21-Aug	0	24	2,137	264,229	0	0	12	978	6	46
22-Aug	0	24	9,142	273,371	0	0	106	1,084	51	97
23-Aug	0	24	1,978	275,349	0	0	24	1,108	15	112
Cumulative		24	275,349		0		1,108			112
Postweir		0	24,651		0		0			0
Total		24	300,000		0		1,108			112

^a Weir was removed on 23 August, sockeye salmon escapement includes a postweir estimate of 24,651 salmon.

Table 8. Sandy River weir daily and cumulative escapement counts by species and day, 2001.

Date	Chinook		Sockeye ^a		Coho		Pink		Chum	
	Daily	Cumulative	Daily	Cumulative	Daily	Cumulative	Daily	Cumulative	Daily	Cumulative
8-Jun	0	0	0	0	0	0	0	0	0	0
9-Jun	0	0	0	0	0	0	0	0	0	0
10-Jun	0	0	11	11	0	0	0	0	0	0
11-Jun	0	0	10	21	0	0	0	0	0	0
12-Jun	0	0	2	23	0	0	0	0	0	0
13-Jun	0	0	1	24	0	0	0	0	0	0
14-Jun	0	0	5	29	0	0	0	0	0	0
15-Jun	0	0	20	49	0	0	0	0	0	0
16-Jun	0	0	353	402	0	0	0	0	0	0
17-Jun	0	0	232	634	0	0	0	0	0	0
18-Jun	0	0	289	923	0	0	0	0	0	0
19-Jun	1	1	185	1,108	0	0	0	0	0	0
20-Jun	0	1	911	2,019	0	0	0	0	0	0
21-Jun	1	2	1,442	3,461	0	0	0	0	0	0
22-Jun ^b	0	2	1,500	4,961	0	0	0	0	0	0
23-Jun ^b	0	2	500	5,461	0	0	0	0	0	0
24-Jun ^b	1	3	1,000	6,461	0	0	0	0	0	0
25-Jun	0	3	1,058	7,519	0	0	0	0	0	0
26-Jun	0	3	1,733	9,252	0	0	1	1	0	0
27-Jun	0	3	1,295	10,547	0	0	0	1	0	0
28-Jun	4	7	658	11,205	0	0	0	1	0	0
29-Jun	2	9	470	11,675	0	0	0	1	0	0
Cumulative		9		11,675		0		1		0
Postweir		0		39,325		0		0		0
Total		9		51,000		0		1		0

^a Weir washed out on 30 June, sockeye salmon escapement includes a postweir estimate of 39,325 salmon.

^b Weir washed out on 22-24 June.

Table 9. Ilnik River weir daily and cumulative escapement counts by species and day, 2001.

	Chinook		Sockeye ^a		Coho		Pink		Chum	
Date	Daily	Cumulative	Daily	Cumulative	Daily	Cumulative	Daily	Cumulative	Daily	Cumulative
27-May	0	0	0	0	0	0	0	0	0	0
28-May	0	0	224	224	0	0	0	0	0	0
29-May	0	0	442	666	0	0	0	0	0	0
30-May	0	0	274	940	0	0	0	0	0	0
31-May	0	0	396	1,336	0	0	0	0	0	0
1-Jun	0	0	79	1,415	0	0	0	0	0	0
2-Jun	0	0	642	2,057	0	0	0	0	0	0
3-Jun	0	0	145	2,202	0	0	0	0	0	0
4-Jun	0	0	321	2,523	0	0	0	0	0	0
5-Jun	0	0	193	2,716	0	0	0	0	0	0
6-Jun	0	0	518	3,234	0	0	0	0	0	0
7-Jun	0	0	441	3,675	0	0	0	0	0	0
8-Jun	0	0	480	4,155	0	0	0	0	0	0
9-Jun	0	0	330	4,485	0	0	0	0	0	0
10-Jun	0	0	754	5,239	0	0	0	0	0	0
11-Jun	0	0	491	5,730	0	0	0	0	0	0
12-Jun	0	0	732	6,462	0	0	0	0	0	0
13-Jun	0	0	370	6,832	0	0	0	0	0	0
14-Jun	0	0	1,014	7,846	0	0	0	0	0	0
15-Jun	1	1	1,479	9,325	0	0	0	0	0	0
16-Jun	0	1	1,678	11,003	0	0	0	0	0	0
17-Jun	2	3	2,323	13,326	0	0	0	0	0	0
18-Jun	0	3	1,742	15,068	0	0	0	0	0	0
19-Jun	1	4	2,270	17,338	0	0	0	0	0	0
20-Jun	0	4	1,000	18,338	0	0	0	0	0	0
21-Jun	1	5	1,444	19,782	0	0	0	0	0	0
22-Jun	2	7	1,629	21,411	0	0	0	0	0	0
23-Jun	4	11	4,920	26,331	0	0	0	0	0	0
24-Jun	6	17	1,686	28,017	0	0	0	0	0	0
25-Jun	2	19	2,510	30,527	0	0	0	0	0	0
26-Jun	1	20	1,617	32,144	0	0	0	0	0	0
27-Jun	1	21	1,812	33,956	0	0	0	0	0	0
28-Jun	0	21	703	34,659	0	0	0	0	0	0
29-Jun	1	22	851	35,510	0	0	0	0	0	0
30-Jun	5	27	810	36,320	0	0	0	0	0	0
1-Jul	1	28	1,078	37,398	0	0	0	0	0	0
2-Jul	5	33	780	38,178	0	0	0	0	0	0
3-Jul	4	37	1,844	40,022	0	0	0	0	0	0
4-Jul	1	38	3,912	43,934	0	0	0	0	0	0
5-Jul	0	38	1,194	45,128	0	0	0	0	0	0
6-Jul	2	40	1,892	47,020	0	0	0	0	0	0
7-Jul	2	42	1,697	48,717	0	0	0	0	0	0
8-Jul	0	42	1,188	49,905	0	0	1	1	0	0
9-Jul	0	42	325	50,230	0	0	0	1	0	0
10-Jul	0	42	1,037	51,267	0	0	1	2	0	0
11-Jul	1	43	749	52,016	0	0	0	2	0	0
12-Jul	2	45	324	52,340	0	0	0	2	0	0
13-Jul	1	46	320	52,660	0	0	2	4	0	0
14-Jul	0	46	559	53,219	0	0	0	4	0	0
15-Jul	1	47	771	53,990	0	0	2	6	0	0
16-Jul	6	53	918	54,908	0	0	4	10	0	0
17-Jul	1	54	447	55,355	0	0	9	19	0	0
18-Jul	0	54	202	55,557	0	0	6	25	0	0
Cumulative		54	55,557		0		25		0	
Postweir		0	2,443		0		0		0	
Total		54	58,000		0		25		0	

^a Weir was removed on 19 July, sockeye salmon escapement includes a postweir estimate of 2,443 salmon.

Table 9. Ilnik River weir daily and cumulative escapement counts by species and day, 2001.

Date	Chinook		Sockeye ^a		Coho		Pink		Chum	
	Daily	Cumulative	Daily	Cumulative	Daily	Cumulative	Daily	Cumulative	Daily	Cumulative
27-May	0	0	0	0	0	0	0	0	0	0
28-May	0	0	224	224	0	0	0	0	0	0
29-May	0	0	442	666	0	0	0	0	0	0
30-May	0	0	274	940	0	0	0	0	0	0
31-May	0	0	396	1,336	0	0	0	0	0	0
1-Jun	0	0	79	1,415	0	0	0	0	0	0
2-Jun	0	0	642	2,057	0	0	0	0	0	0
3-Jun	0	0	145	2,202	0	0	0	0	0	0
4-Jun	0	0	321	2,523	0	0	0	0	0	0
5-Jun	0	0	193	2,716	0	0	0	0	0	0
6-Jun	0	0	518	3,234	0	0	0	0	0	0
7-Jun	0	0	441	3,675	0	0	0	0	0	0
8-Jun	0	0	480	4,155	0	0	0	0	0	0
9-Jun	0	0	330	4,485	0	0	0	0	0	0
10-Jun	0	0	754	5,239	0	0	0	0	0	0
11-Jun	0	0	491	5,730	0	0	0	0	0	0
12-Jun	0	0	732	6,462	0	0	0	0	0	0
13-Jun	0	0	370	6,832	0	0	0	0	0	0
14-Jun	0	0	1,014	7,846	0	0	0	0	0	0
15-Jun	1	1	1,479	9,325	0	0	0	0	0	0
16-Jun	0	1	1,678	11,003	0	0	0	0	0	0
17-Jun	2	3	2,323	13,326	0	0	0	0	0	0
18-Jun	0	3	1,742	15,068	0	0	0	0	0	0
19-Jun	1	4	2,270	17,338	0	0	0	0	0	0
20-Jun	0	4	1,000	18,338	0	0	0	0	0	0
21-Jun	1	5	1,444	19,782	0	0	0	0	0	0
22-Jun	2	7	1,629	21,411	0	0	0	0	0	0
23-Jun	4	11	4,920	26,331	0	0	0	0	0	0
24-Jun	6	17	1,686	28,017	0	0	0	0	0	0
25-Jun	2	19	2,510	30,527	0	0	0	0	0	0
26-Jun	1	20	1,617	32,144	0	0	0	0	0	0
27-Jun	1	21	1,812	33,956	0	0	0	0	0	0
28-Jun	0	21	703	34,659	0	0	0	0	0	0
29-Jun	1	22	851	35,510	0	0	0	0	0	0
30-Jun	5	27	810	36,320	0	0	0	0	0	0
1-Jul	1	28	1,078	37,398	0	0	0	0	0	0
2-Jul	5	33	780	38,178	0	0	0	0	0	0
3-Jul	4	37	1,844	40,022	0	0	0	0	0	0
4-Jul	1	38	3,912	43,934	0	0	0	0	0	0
5-Jul	0	38	1,194	45,128	0	0	0	0	0	0
6-Jul	2	40	1,892	47,020	0	0	0	0	0	0
7-Jul	2	42	1,697	48,717	0	0	0	0	0	0
8-Jul	0	42	1,188	49,905	0	0	1	1	0	0
9-Jul	0	42	325	50,230	0	0	0	1	0	0
10-Jul	0	42	1,037	51,267	0	0	1	2	0	0
11-Jul	1	43	749	52,016	0	0	0	2	0	0
12-Jul	2	45	324	52,340	0	0	0	2	0	0
13-Jul	1	46	320	52,660	0	0	2	4	0	0
14-Jul	0	46	559	53,219	0	0	0	4	0	0
15-Jul	1	47	771	53,990	0	0	2	6	0	0
16-Jul	6	53	918	54,908	0	0	4	10	0	0
17-Jul	1	54	447	55,355	0	0	9	19	0	0
18-Jul	0	54	202	55,557	0	0	6	25	0	0
Cumulative		54	55,557		0		25		0	
Postweir		0	2,443		0		0		0	
Total		54	58,000		0		25		0	

^a Weir was removed on 19 July, sockeye salmon escapement includes a postweir estimate of 2,443 salmon.

Table 10. Summer Bay Lake weir daily and cumulative escapement counts by species and day, 2001.

Date	Sockeye		Coho		Pink		Dolly Varden Down		Dolly Varden Up	
	Daily	Cumulative	Daily	Cumulative	Daily	Cumulative	Daily	Cumulative	Daily	Cumulative
1-Jun	0	0	0	0	0	0	54	54	0	0
2-Jun	0	0	0	0	0	0	98	152	0	0
3-Jun	3	3	0	0	0	0	60	212	0	0
4-Jun	0	3	0	0	0	0	111	323	0	0
5-Jun	12	15	0	0	0	0	100	423	1	1
6-Jun	43	58	0	0	0	0	89	512	1	2
7-Jun	16	74	0	0	0	0	151	663	1	3
8-Jun	2	76	0	0	0	0	136	799	0	3
9-Jun	14	90	0	0	0	0	125	924	0	3
10-Jun	106	196	0	0	0	0	220	1,144	0	3
11-Jun	28	224	0	0	0	0	259	1,403	0	3
12-Jun	35	259	0	0	0	0	177	1,580	0	3
13-Jun	40	299	0	0	0	0	145	1,725	0	3
14-Jun	31	330	0	0	0	0	84	1,809	1	4
15-Jun	14	344	0	0	0	0	67	1,876	0	4
16-Jun	28	372	0	0	0	0	68	1,944	0	4
17-Jun	81	453	0	0	0	0	79	2,023	1	5
18-Jun	108	561	0	0	0	0	65	2,088	0	5
19-Jun	101	662	0	0	0	0	108	2,196	1	6
20-Jun	32	694	0	0	0	0	123	2,319	2	8
21-Jun	5	699	0	0	0	0	129	2,448	0	8
22-Jun	65	764	0	0	0	0	95	2,543	1	9
23-Jun	60	824	0	0	0	0	49	2,592	0	9
24-Jun	84	908	0	0	0	0	40	2,632	0	9
25-Jun	38	946	0	0	0	0	86	2,718	0	9
26-Jun	66	1,012	0	0	0	0	92	2,810	1	10
27-Jun	72	1,084	0	0	0	0	82	2,892	1	11
28-Jun	185	1,269	0	0	0	0	43	2,935	0	11
29-Jun	128	1,397	0	0	0	0	41	2,976	1	12
30-Jun	108	1,505	0	0	0	0	19	2,995	0	12
1-Jul	19	1,524	0	0	0	0	18	3,013	1	13
2-Jul	28	1,552	0	0	0	0	18	3,031	1	14
3-Jul	113	1,665	0	0	0	0	6	3,037	0	14
4-Jul	23	1,688	0	0	0	0	11	3,048	12	26
5-Jul	112	1,800	0	0	0	0	2	3,050	5	31
6-Jul	51	1,851	0	0	0	0	3	3,053	10	41
7-Jul	77	1,928	0	0	0	0	1	3,054	4	45
8-Jul	59	1,987	0	0	0	0	3	3,057	1	46
9-Jul	105	2,092	0	0	0	0	12	3,069	4	50
10-Jul	110	2,202	0	0	0	0	14	3,083	11	61
11-Jul	274	2,476	0	0	0	0	6	3,089	6	67
12-Jul	131	2,607	0	0	0	0	7	3,096	10	77
13-Jul	441	3,048	0	0	0	0	8	3,104	24	101
14-Jul	11	3,059	0	0	0	0	3	3,107	7	108
15-Jul	87	3,146	0	0	0	0	3	3,110	19	127
16-Jul	31	3,177	0	0	0	0	4	3,114	21	148
17-Jul	62	3,239	0	0	0	0	5	3,119	15	163
18-Jul	14	3,253	0	0	0	0	2	3,121	18	181
19-Jul	97	3,350	0	0	0	0	2	3,123	2	183
20-Jul	49	3,399	0	0	0	0	5	3,128	8	191
21-Jul	203	3,602	0	0	0	0	8	3,136	34	225
22-Jul	145	3,747	0	0	0	0	8	3,144	53	278
23-Jul	83	3,830	0	0	0	0	4	3,148	29	307
24-Jul	135	3,965	0	0	0	0	1	3,149	23	330
25-Jul	84	4,049	0	0	0	0	12	3,161	93	423
26-Jul	293	4,342	0	0	10	10	6	3,167	203	626
27-Jul	35	4,377	0	0	2	12	4	3,171	155	781

-Continued-

Table 10. (page 2 of 2)

Date	Sockeye		Coho		Pink		Dolly Varden Down		Dolly Varden Up	
	Daily	Cumulative	Daily	Cumulative	Daily	Cumulative	Daily	Cumulative	Daily	Cumulative
28-Jul	58	4,435	0	0	3	15	5	3,176	22	803
29-Jul	69	4,504	0	0	2	17	5	3,181	32	835
30-Jul	68	4,572	0	0	0	17	7	3,188	24	859
31-Jul	39	4,611	0	0	0	17	6	3,194	10	869
1-Aug	132	4,743	0	0	0	17	2	3,196	6	875
2-Aug	57	4,800	0	0	1	18	3	3,199	23	898
3-Aug	124	4,924	0	0	10	28	1	3,200	187	1,085
4-Aug	31	4,955	0	0	3	31	3	3,203	154	1,239
5-Aug	26	4,981	0	0	15	46	1	3,204	55	1,294
6-Aug	71	5,052	0	0	10	56	4	3,208	55	1,349
7-Aug	80	5,132	0	0	25	81	4	3,212	75	1,424
8-Aug	25	5,157	0	0	24	105	3	3,215	70	1,494
9-Aug	19	5,176	0	0	2	107	2	3,217	21	1,515
10-Aug	17	5,193	0	0	10	117	2	3,219	31	1,546
11-Aug	23	5,216	0	0	1	118	3	3,222	21	1,567
12-Aug	6	5,222	0	0	2	120	2	3,224	29	1,596
13-Aug	15	5,237	0	0	10	130	5	3,229	33	1,629
14-Aug	8	5,245	0	0	3	133	7	3,236	24	1,653
15-Aug	4	5,249	0	0	19	152	8	3,244	17	1,670
16-Aug	11	5,260	0	0	31	183	2	3,246	12	1,682
17-Aug	35	5,295	0	0	83	266	4	3,250	9	1,691
18-Aug	10	5,305	0	0	103	369	4	3,254	7	1,698
19-Aug	3	5,308	0	0	21	390	2	3,256	25	1,723
20-Aug	5	5,313	1	1	65	455	2	3,258	9	1,732
21-Aug	3	5,316	0	1	95	550	1	3,259	6	1,738
22-Aug	11	5,327	1	2	45	595	3	3,262	8	1,746
23-Aug	11	5,338	1	3	227	822	9	3,271	9	1,755
24-Aug	10	5,348	1	4	233	1,055	2	3,273	24	1,779
25-Aug	2	5,350	0	4	196	1,251	4	3,277	9	1,788
26-Aug	0	5,350	0	4	251	1,502	3	3,280	3	1,791
27-Aug	4	5,354	0	4	304	1,806	3	3,283	6	1,797
28-Aug	3	5,357	0	4	295	2,101	3	3,286	2	1,799
29-Aug	6	5,363	0	4	329	2,430	2	3,288	3	1,802
30-Aug	6	5,369	4	8	190	2,620	2	3,290	3	1,805
31-Aug	7	5,376	4	12	169	2,789	1	3,291	1	1,806
1-Sep	3	5,379	1	13	267	3,056	1	3,292	2	1,808
2-Sep	1	5,380	1	14	245	3,301	2	3,294	6	1,814
3-Sep	3	5,383	1	15	243	3,544	6	3,300	11	1,825
4-Sep	1	5,384	5	20	97	3,641	2	3,302	5	1,830
5-Sep	4	5,388	2	22	73	3,714	2	3,304	0	1,830
6-Sep	0	5,388	0	22	130	3,844	1	3,305	0	1,830
7-Sep	0	5,388	1	23	78	3,922	1	3,306	1	1,831
8-Sep	0	5,388	0	23	72	3,994	3	3,309	0	1,831
9-Sep	0	5,388	0	23	63	4,057	4	3,313	1	1,832
10-Sep ^a	0	5,388	0	23	57	4,114	1	3,314	0	1,832
Total	5,388	0	23		4,114		3,314		1,832	

^a Weir was removed on 11 September.

Table 11. McLees Lake weir daily and cumulative escapement counts by species and day, 2001.

Date	Chinook		Sockeye		Coho	
	Daily	Cumulative	Daily	Cumulative	Daily	Cumulative
15-Jun	0	0	331	331	0	0
16-Jun	0	0	2,321	2,652	0	0
17-Jun	0	0	626	3,278	0	0
18-Jun	0	0	603	3,881	0	0
19-Jun	0	0	613	4,494	0	0
20-Jun	0	0	488	4,982	0	0
21-Jun	0	0	1,347	6,329	0	0
22-Jun	0	0	1,106	7,435	0	0
23-Jun	0	0	1,270	8,705	0	0
24-Jun	0	0	1,938	10,643	0	0
25-Jun	0	0	2,118	12,761	0	0
26-Jun	0	0	2,301	15,062	0	0
27-Jun	0	0	1,729	16,791	0	0
28-Jun	0	0	2,138	18,929	0	0
29-Jun	0	0	1,585	20,514	0	0
30-Jun	0	0	2,008	22,522	0	0
1-Jul	0	0	2,876	25,398	0	0
2-Jul	0	0	2,200	27,598	0	0
3-Jul	0	0	1,046	28,644	0	0
4-Jul	0	0	1,558	30,202	0	0
5-Jul	0	0	1,872	32,074	0	0
6-Jul	0	0	1,623	33,697	0	0
7-Jul	0	0	876	34,573	0	0
8-Jul	0	0	871	35,444	0	0
9-Jul	0	0	902	36,346	0	0
10-Jul	0	0	1,164	37,510	0	0
11-Jul	0	0	1,213	38,723	0	0
12-Jul	0	0	816	39,539	1	1
13-Jul	0	0	805	40,344	0	1
14-Jul	0	0	1,110	41,454	0	1
15-Jul	0	0	675	42,129	0	1
16-Jul	0	0	595	42,724	0	1
17-Jul	0	0	627	43,351	0	1
18-Jul	0	0	784	44,135	0	1
19-Jul	1	1	528	44,663	0	1
20-Jul	0	1	420	45,083	0	1
21-Jul	0	1	378	45,461	0	1
22-Jul	0	1	106	45,567	0	1
23-Jul	0	1	67	45,634	0	1
24-Jul	0	1	6	45,640	0	1
25-Jul	0	1	24	45,664	0	1
26-Jul	0	1	16	45,680	0	1
27-Jul	0	1	64	45,744	0	1
28-Jul	0	1	67	45,811	0	1
29-Jul	0	1	13	45,824	0	1
30-Jul ^a	0	1	42	45,866	0	1
Total		1		45,866		1

^a Weir was removed on 31 July.

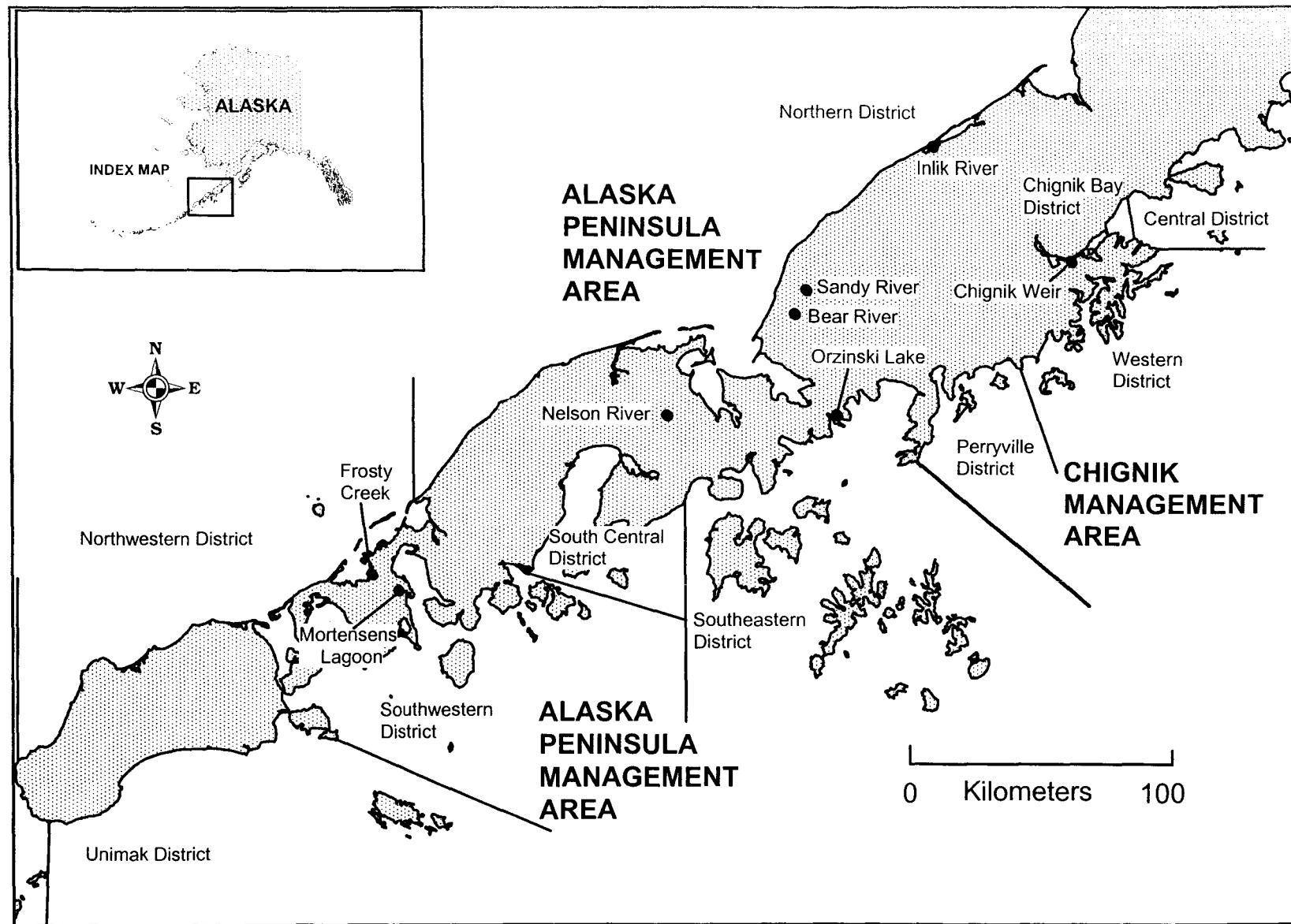


Figure 1. Map showing the salmon fishing districts and weir locations within the Chignik and Alaska Peninsula Management Areas.

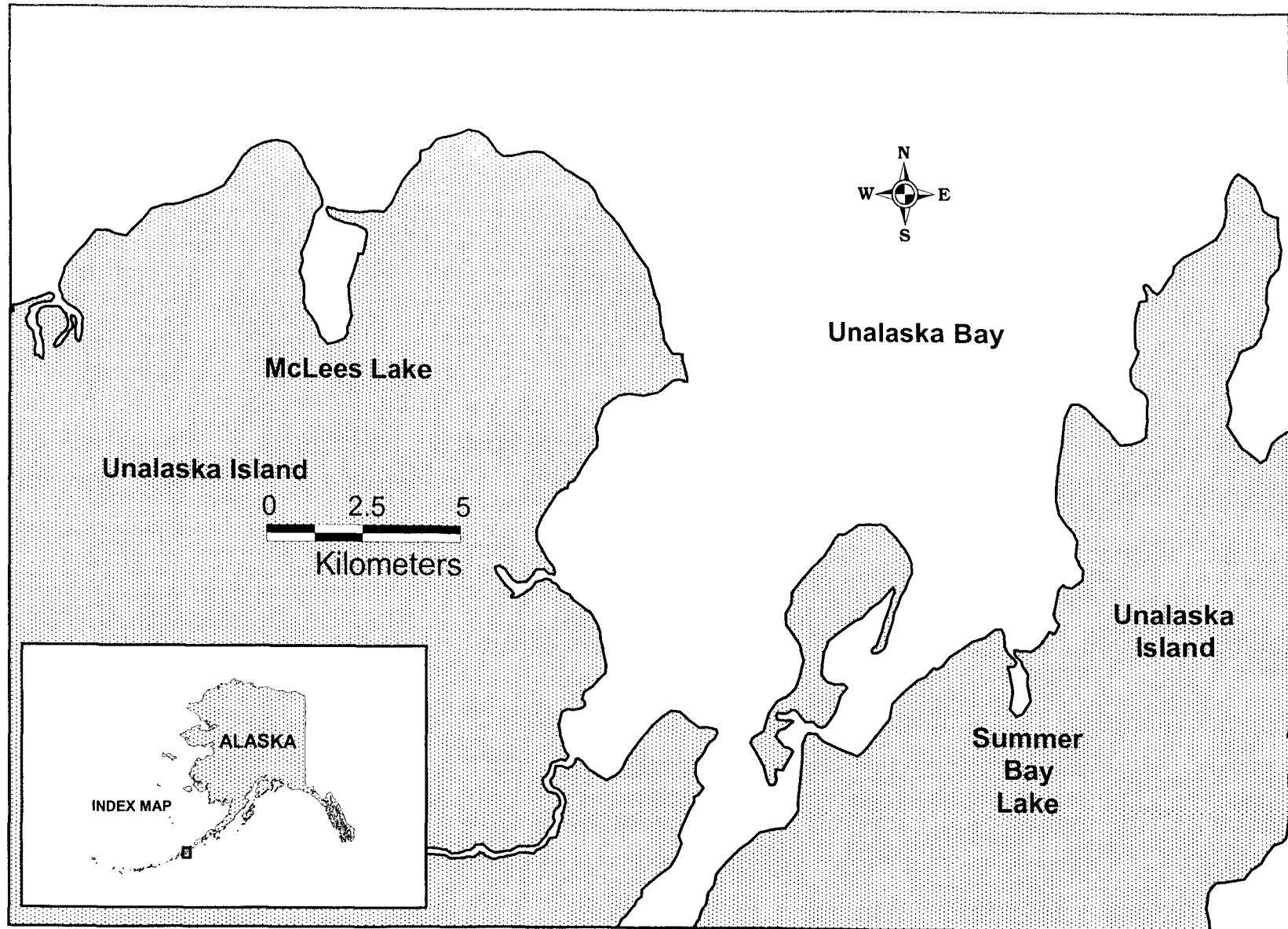
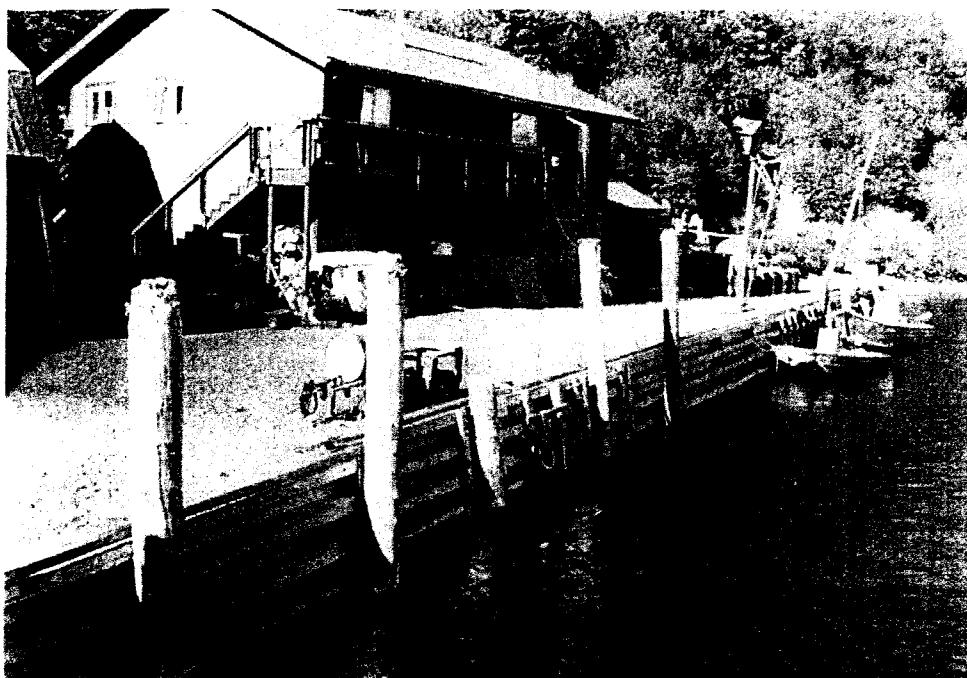


Figure 2. Map of Unalaska Island with Summer Bay and McLées Lakes weirs shown.

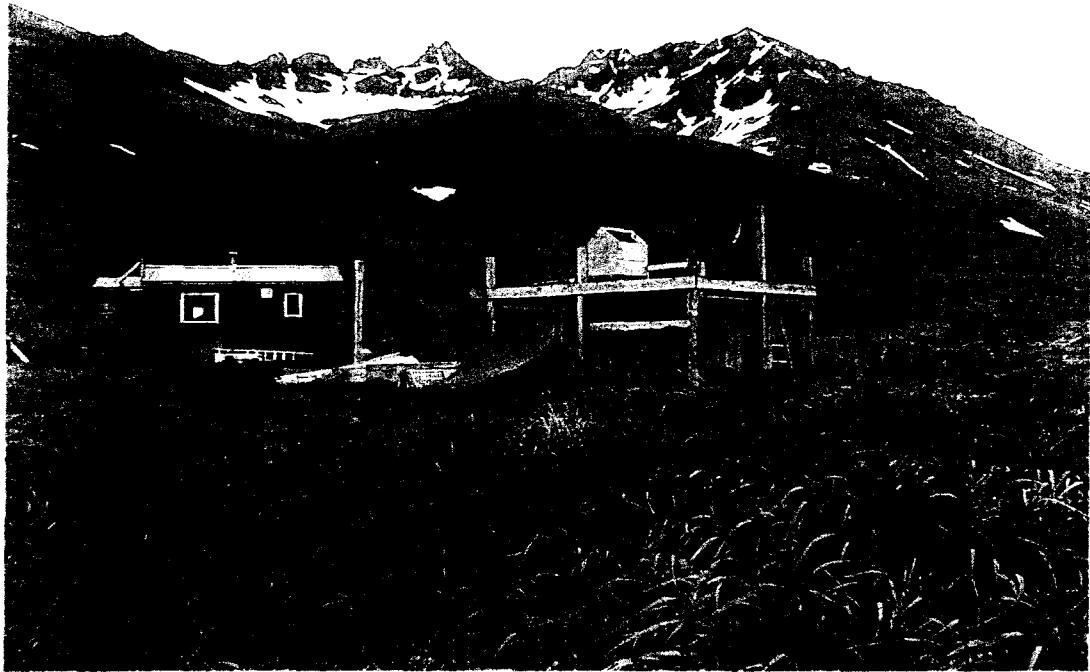


Chignik River weir and facility. Photo by Jim McCullough

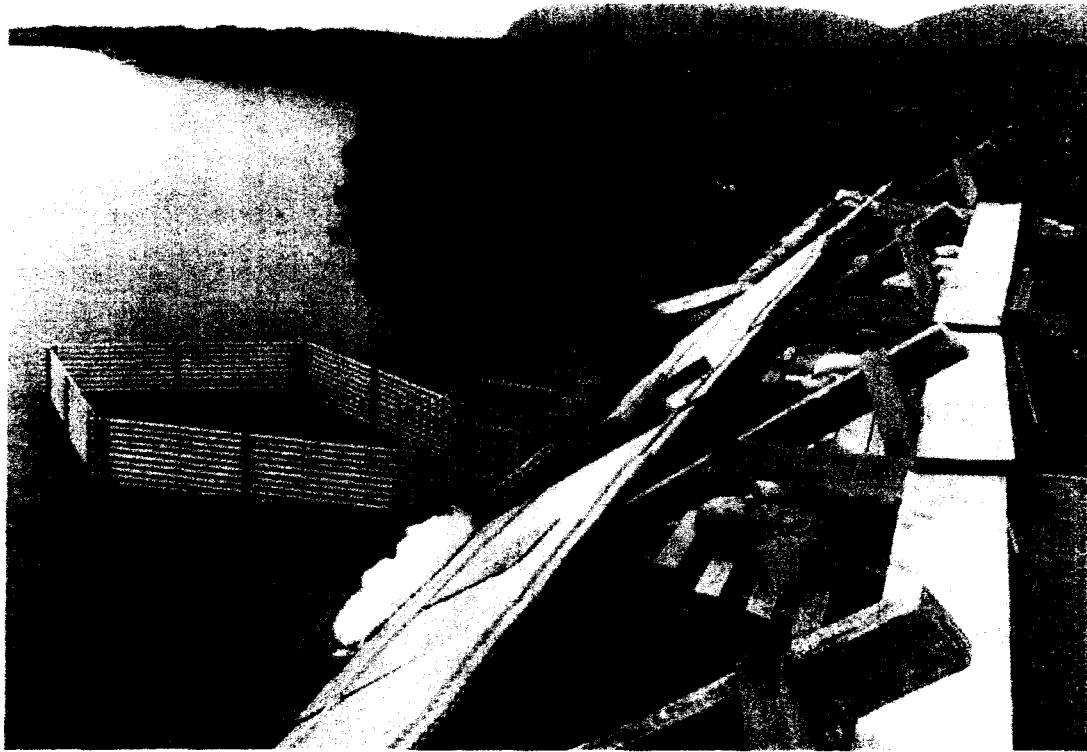


Chignik River weir facility. Photo by Jim McCullough

Figure 3. Weir photographs.

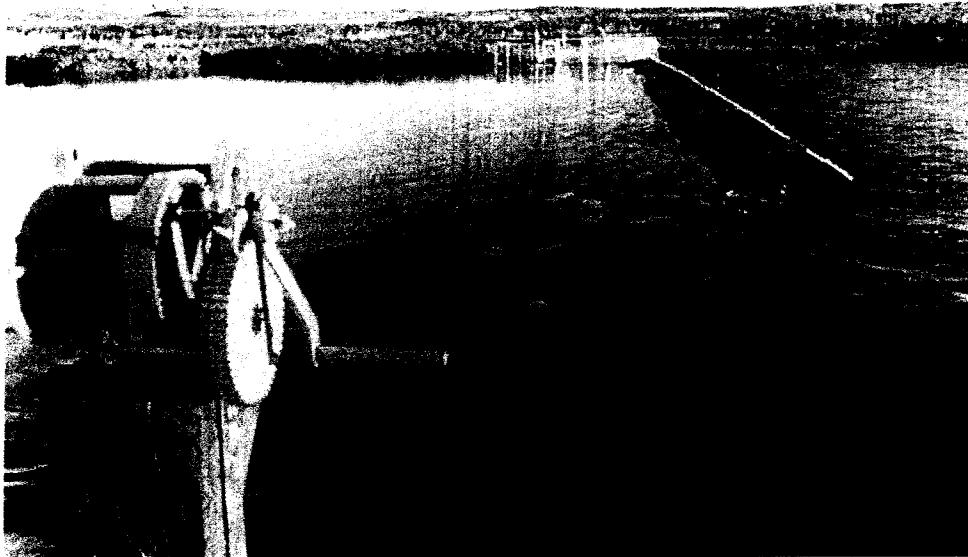


Orzinski Lake cabin. Photo by Dan Connolly

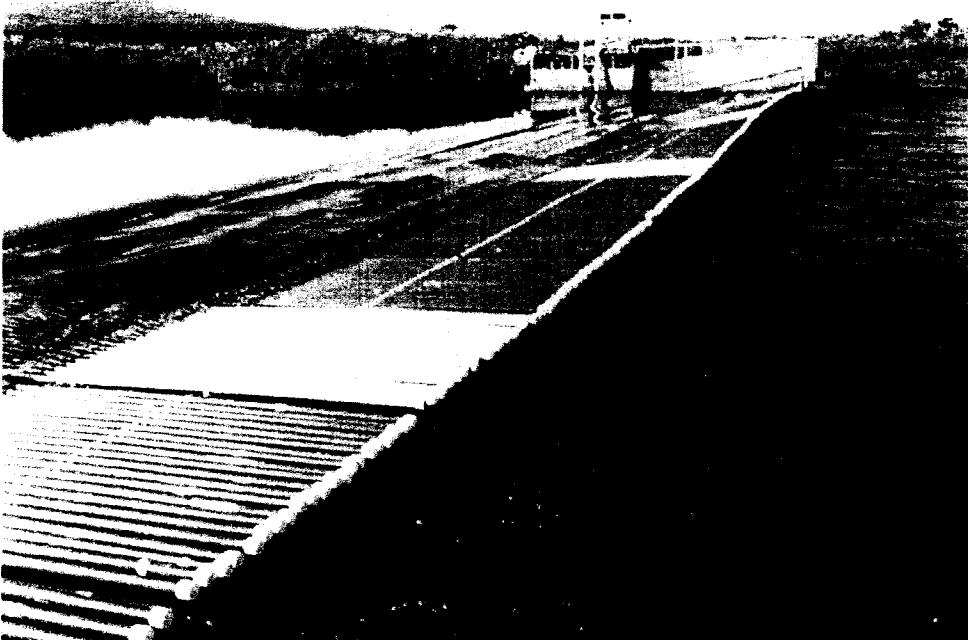


Orzinski Lake weir and fish trap. Photo by Justin Freeman

Figure 3. (page 2 of 7)



Nelson River weir. Photo by Len Schwarz

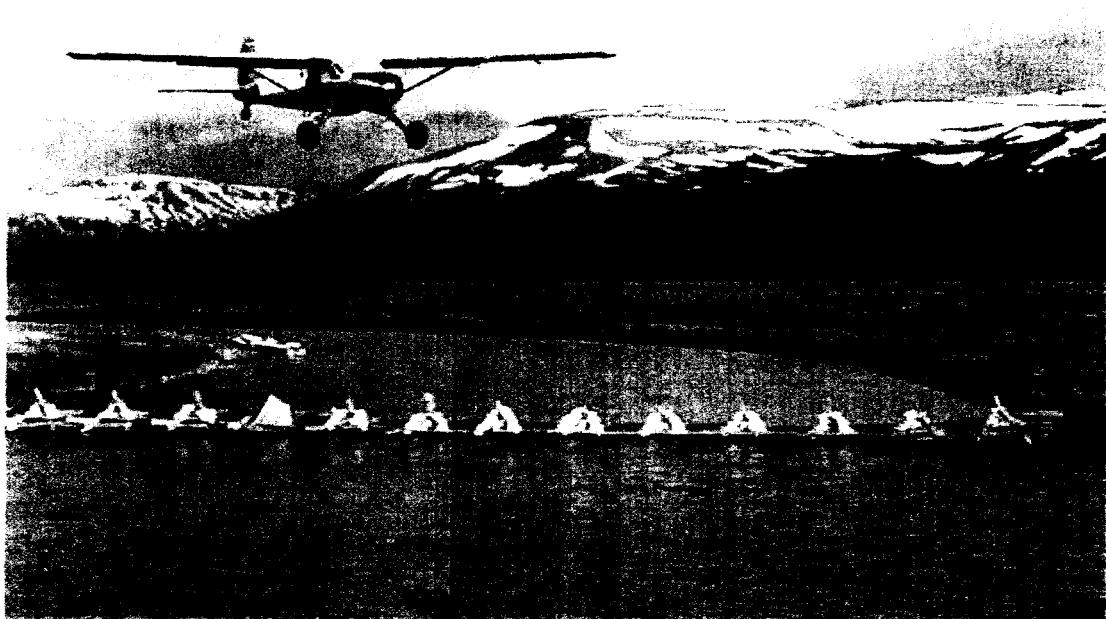


Nelson River weir. Photo by Len Schwarz

Figure 3. (page 3 of 7)

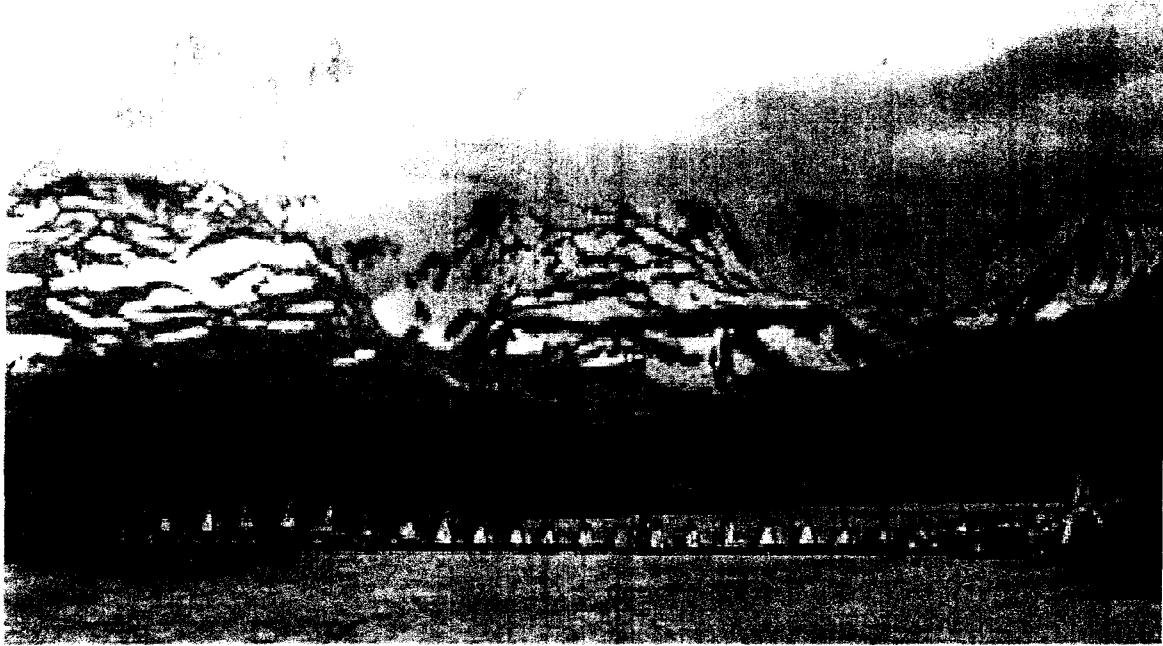


Bear River cabin and weir. Photo by Philip Tschersich



Bear River weir and ADF&G aircraft. Photo by Philip Tschersich

Figure 3. (page 4 of 7)



Sandy River weir. Photo by Judy Brandt

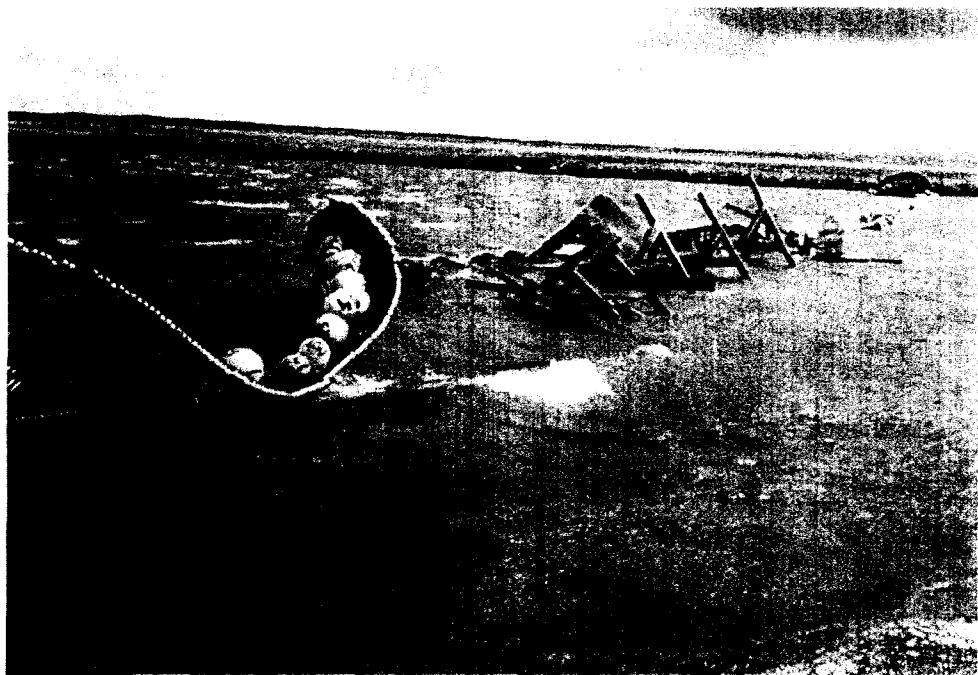


Sandy River weir. Photo by Judy Brandt

Figure 3. (page 5 of 7)

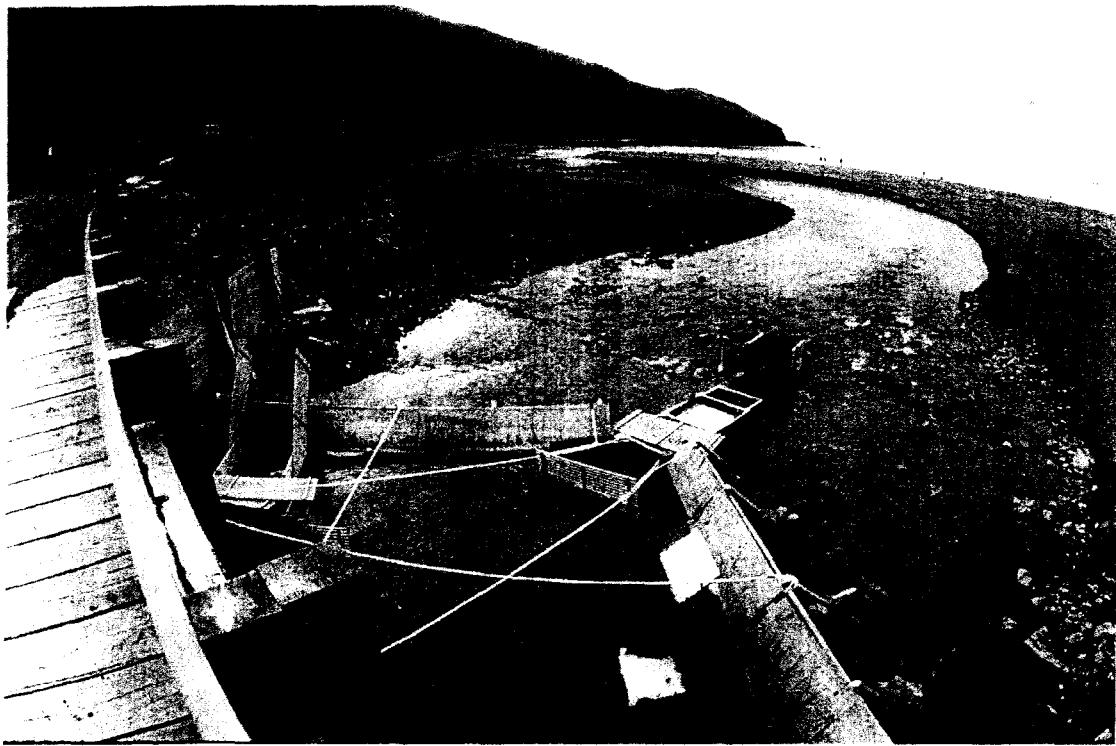


Ilnik River weir. Photo by Philip Tschersich

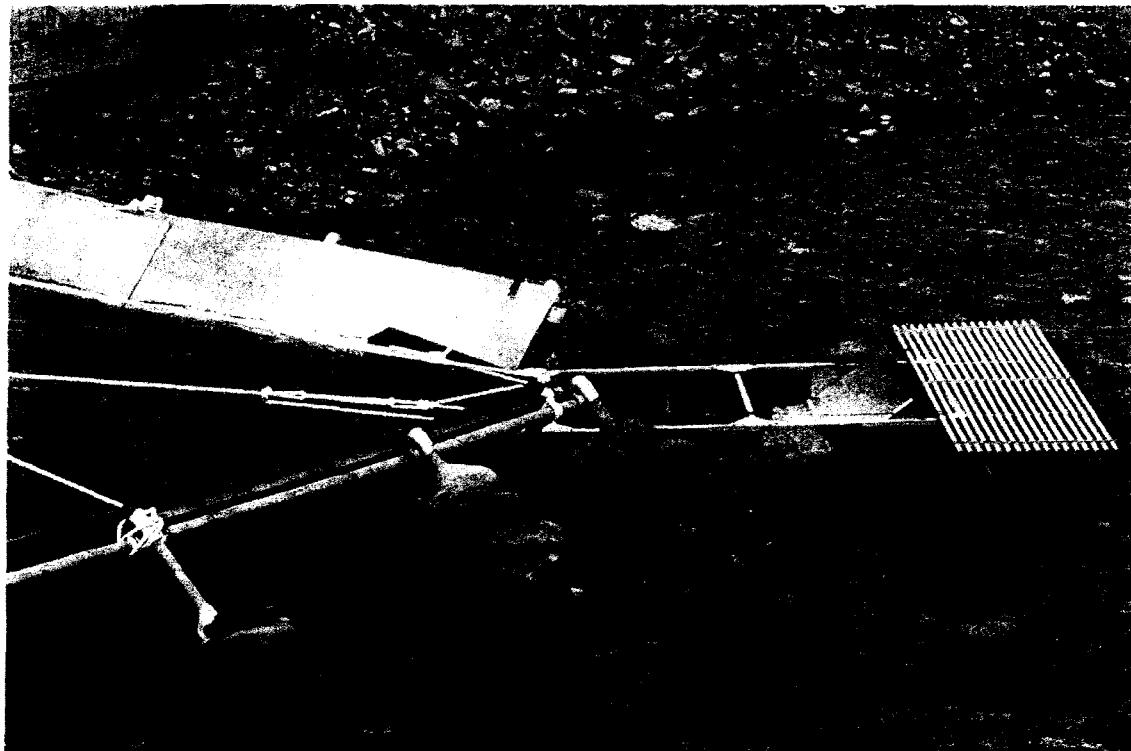


Ilnik River weir. Photo by Jeff Wadle

Figure 3. (page 6 of 7)



Summer Bay Lake weir and smolt trap. Photo by Tom Cappiello



Summer Bay Lake smolt weir and trap. Photo by Chad Hood

Figure 3. (page 7 of 7)

APPENDIX

Appendix A.1. Chignik River cumulative escapement counts for chinook salmon by day, 1991-2001.

Day	Year										
	1991 ^a	1992 ^a	1993 ^b	1994 ^c	1995 ^d	1996 ^e	1997 ^e	1998 ^e	1999 ^f	2000 ^g	2001 ^h
1-Jun	-	0	0	0	0	0	0	0	0	0	0
2-Jun	-	0	0	0	0	0	0	0	1	0	0
3-Jun	0	0	0	0	0	0	0	0	1	0	0
4-Jun	0	0	0	0	0	0	0	0	1	0	0
5-Jun	0	0	0	0	0	1	0	0	1	0	0
6-Jun	0	0	0	0	0	7	0	0	1	0	0
7-Jun	0	0	0	0	0	7	0	0	1	0	0
8-Jun	0	0	0	0	0	7	0	0	1	0	0
9-Jun	0	0	2	0	0	7	0	0	1	0	0
10-Jun	0	0	2	0	0	7	0	0	1	0	0
11-Jun	0	0	4	0	0	7	0	0	1	0	0
12-Jun	0	0	4	0	0	7	0	0	1	0	0
13-Jun	0	0	4	0	0	7	0	0	1	0	0
14-Jun	0	0	4	0	0	7	0	0	2	0	0
15-Jun	0	0	4	0	0	7	0	0	2	0	0
16-Jun	0	0	4	4	0	7	6	0	2	0	0
17-Jun	0	0	6	5	7	7	19	12	8	0	0
18-Jun	0	0	6	5	15	7	19	24	8	0	0
19-Jun	6	0	6	6	36	14	19	25	14	0	0
20-Jun	6	0	23	24	36	62	55	58	14	39	0
21-Jun	6	0	47	30	36	74	73	95	14	47	0
22-Jun	6	6	59	50	36	80	106	108	20	60	18
23-Jun	18	18	59	56	38	94	124	114	38	73	18
24-Jun	42	90	86	74	45	124	130	150	63	94	18
25-Jun	54	216	92	88	49	136	160	198	85	124	18
26-Jun	84	226	138	88	53	142	218	222	97	163	18
27-Jun	156	268	156	94	53	250	280	276	109	219	18
28-Jun	235	308	185	108	74	394	358	369	111	300	54
29-Jun	271	320	207	140	77	532	382	441	135	399	85
30-Jun	319	456	231	147	77	574	462	495	184	467	128
1-Jul	409	524	240	167	77	691	528	525	214	557	257
2-Jul	553	651	341	167	85	725	582	561	280	643	485
3-Jul	637	691	462	205	104	798	624	621	354	763	647

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Appendix A.1. (page 2 of 4)

Day	Year										
	1991 ^a	1992 ^a	1993 ^b	1994 ^c	1995 ^d	1996 ^e	1997 ^e	1998 ^e	1999 ^f	2000 ^g	2001 ^h
4-Jul	751	843	503	318	140	822	693	665	390	887	731
5-Jul	997	915	550	444	212	912	778	755	459	1,033	779
6-Jul	1,165	963	634	514	266	946	848	794	495	1,234	857
7-Jul	1,231	997	724	583	284	946	990	942	647	1,384	965
8-Jul	1,303	1,207	829	752	383	964	1,137	1,092	695	1,581	1,088
9-Jul	1,471	1,277	896	863	503	976	1,398	1,110	761	1,753	1,158
10-Jul	1,651	1,385	963	1,025	603	1,246	1,533	1,221	828	1,954	1,218
11-Jul	1,831	1,663	1,114	1,096	633	1,288	1,664	1,305	967	2,103	1,280
12-Jul	1,885	1,819	1,210	1,212	982	1,402	1,793	1,383	1,111	2,343	1,304
13-Jul	2,053	1,990	1,218	1,315	1,625	1,527	1,890	1,440	1,292	2,512	1,328
14-Jul	2,203	2,168	1,224	1,330	2,030	1,599	1,921	1,521	1,463	2,608	1,436
15-Jul	2,269	2,514	1,258	1,435	2,358	1,709	1,975	1,635	1,702	2,728	1,496
16-Jul	2,413	2,605	1,345	1,703	2,413	1,819	2,131	1,659	1,790	2,836	1,656
17-Jul	2,479	2,744	1,374	1,846	2,443	2,094	2,263	1,798	1,938	2,938	1,818
18-Jul	2,581	2,876	1,439	2,069	2,587	2,270	2,451	1,879	1,992	3,016	2,016
19-Jul	2,647	3,022	1,537	2,151	2,861	2,384	2,543	2,138	2,214	3,159	2,152
20-Jul	3,145	3,102	1,646	2,340	2,948	2,535	2,587	2,222	2,281	3,244	2,237
21-Jul	3,211	3,202	1,670	2,378	3,104	2,577	2,621	2,312	2,378	3,352	2,325
22-Jul	3,595	3,247	1,694	2,432	3,281	2,626	2,729	2,365	2,458	3,442	2,452
23-Jul	3,805	3,293	1,746	2,494	3,317	2,663	2,858	2,431	2,573	3,650	2,513
24-Jul	3,997	3,375	1,763	2,570	3,360	2,740	2,972	2,505	2,729	3,766	2,609
25-Jul	4,153	3,425	1,777	2,610	3,545	2,855	3,045	2,555	2,777	3,786	2,663
26-Jul	4,207	3,531	1,779	2,663	3,691	2,905	3,057	2,585	2,897	3,788	2,702
27-Jul	4,255	3,556	1,780	2,679	3,775	3,030	3,073	2,603	3,001	3,806	2,714
28-Jul	4,297	3,599	1,780	2,700	3,838	3,078	3,131	2,625	3,031	3,848	2,726
29-Jul	4,357	3,669	1,789	2,707	3,859	3,131	3,215	2,680	3,290	3,885	2,744
30-Jul	4,387	3,720	1,789	2,720	3,895	3,163	3,257	2,696	3,348	3,923	2,756
31-Jul	4,441	3,750	1,820	2,735	3,914	3,171	3,349	2,708	3,384	3,953	2,816
1-Aug	4,447	3,764	1,842	2,747	3,974	3,196	3,387	2,732	3,402	3,973	2,822
2-Aug	4,471	3,764	1,847	2,768	4,008	3,214	3,407	2,753	3,432	4,063	2,858
3-Aug	4,489	3,794	1,850	2,780	4,021	3,227	3,414	2,765	3,462	4,111	2,876
4-Aug	4,531	3,806	1,862	2,792	4,043	3,233	3,420	2,789	3,501	4,135	2,906
5-Aug	4,531	3,806	1,865	2,828	4,050	3,264	3,434	2,825	3,522	4,147	2,924

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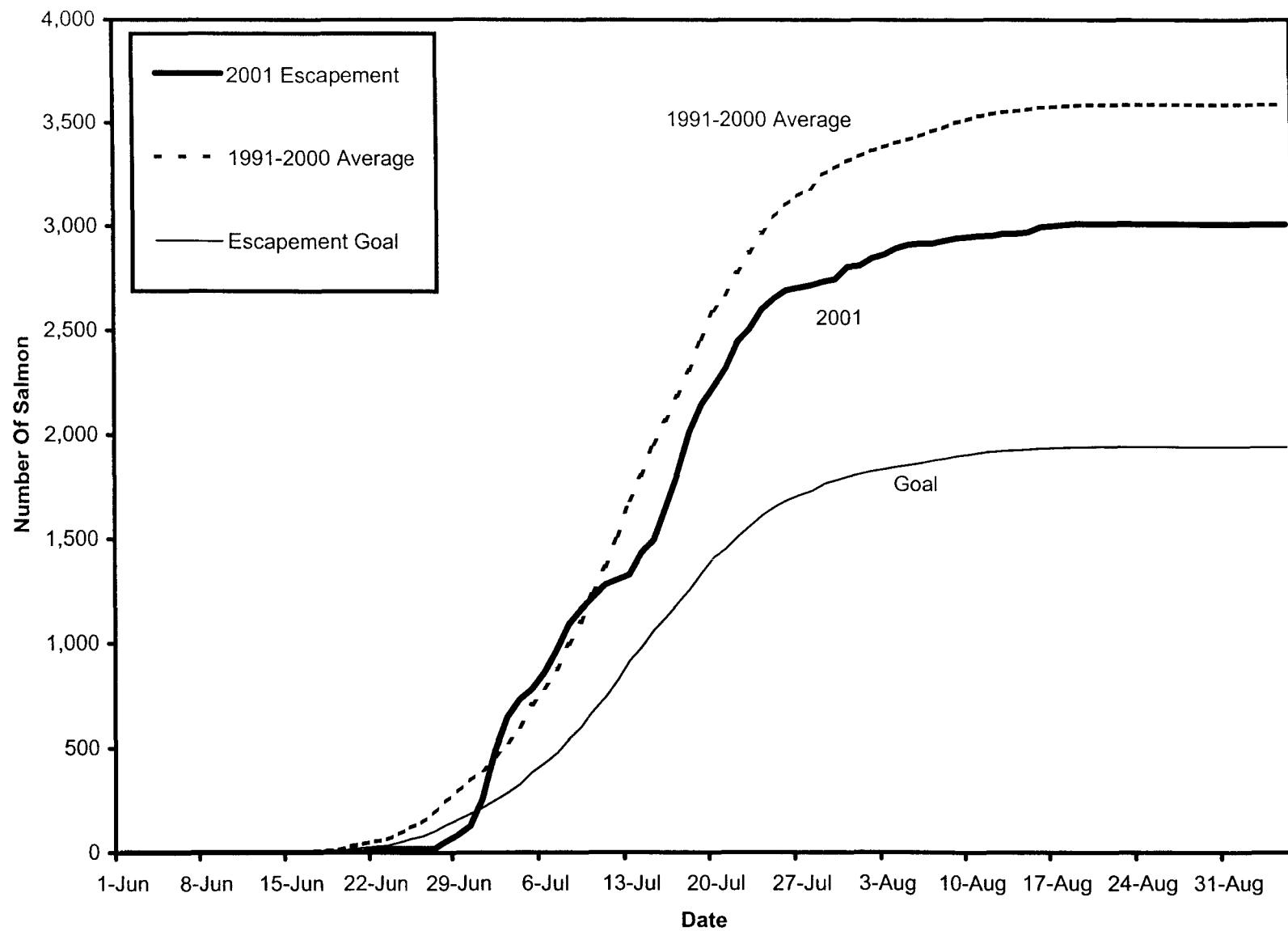
Appendix A.1 (page 3 of 4)

Day	Year										
	1991 ^a	1992 ^a	1993 ^b	1994 ^c	1995 ^d	1996 ^e	1997 ^e	1998 ^e	1999 ^f	2000 ^g	2001 ^h
6-Aug	4,531	3,806	1,877	2,869	4,062	3,300	3,465	2,825	3,528	4,189	2,930
7-Aug	4,531	3,806	1,882	2,879	4,094	3,306	3,564	2,855	3,564	4,189	2,930
8-Aug	4,531	3,806	1,883	2,903	4,110	3,313	3,627	2,882	3,584	4,189	2,943
9-Aug	4,531	3,806	1,910	2,915	4,183	3,331	3,651	2,915	3,602	4,213	2,955
10-Aug	4,531	3,806	1,922	2,915	4,192	3,345	3,696	2,933	3,626	4,219	2,961
11-Aug	4,531	3,806	1,945	2,921	4,229	3,388	3,716	2,933	3,650	4,249	2,967
12-Aug	4,531	3,806	1,945	2,939	4,235	3,412	3,728	2,945	3,662	4,249	2,967
13-Aug	4,531	3,806	1,946	2,957	4,247	3,418	3,729	2,975	3,692	4,255	2,979
14-Aug	4,531	3,806	1,946	2,963	4,253	3,418	3,729	2,981	3,704	4,267	2,979
15-Aug	4,531	3,806	1,946	2,963	4,253	3,438	3,761	2,999	3,704	4,267	2,986
16-Aug	4,531	3,806	1,946	2,963	4,273	3,456	3,773	3,032	3,704	4,285	3,010
17-Aug	4,531	3,806	1,946	2,963	4,274	3,470	3,773	3,044	3,710	4,285	3,016
18-Aug	4,531	3,806	1,946	2,963	4,276	3,476	3,779	3,056	3,728	4,285	3,022
19-Aug	4,531	3,806	1,946	2,963	4,282	3,482	3,791	3,062	3,728	4,285	3,028
20-Aug	4,531	3,806	1,946	2,963	4,282	3,485	3,815	3,062	3,728	4,285	3,028
21-Aug	4,531	3,806	1,946	2,963	4,288	3,485	3,821	3,068	3,728	4,285	3,028
22-Aug	4,531	3,806	1,946	2,963	4,288	3,485	3,821	3,068	3,728	4,285	3,028
23-Aug	4,531	3,806	1,946	2,963	4,288	3,485	3,821	3,068	3,728	4,285	3,028
24-Aug	4,531	3,806	1,946	2,963	4,288	3,486	3,821	3,074	3,728	4,285	3,028
25-Aug	4,531	3,806	1,946	2,963	4,288	3,486	3,821	3,074	3,728	4,285	3,028
26-Aug	4,531	3,806	1,946	2,963	4,288	3,486	3,822	3,074	3,728	4,285	3,028
27-Aug	4,531	3,806	1,946	2,963	4,288	3,486	3,822	3,074	3,728	4,285	3,028
28-Aug	4,531	3,806	1,946	2,963	4,288	3,487	3,822	3,074	3,728	4,285	3,028
29-Aug	4,531	3,806	1,946	2,963	4,288	3,487	3,822	3,074	3,728	4,285	3,028
30-Aug	4,531	3,806	1,946	2,963	4,288	3,488	3,822	3,075	3,728	4,285	3,028
31-Aug	4,531	3,806	1,946	2,963	4,288	3,488	3,823	3,075	3,728	4,285	3,028
1-Sep	4,531	3,806	1,946	2,963	4,288	3,488	3,824	3,075	3,728	4,285	3,028
2-Sep	4,531	3,806	1,946	2,963	4,288	3,488	3,824	3,075	3,728	4,285	3,028
3-Sep	4,531	3,806	1,946	2,963	4,288	3,488	3,824	3,075	3,728	4,285	3,028
4-Sep	4,531	3,806	1,946	2,963	4,288	3,488	3,824	3,075	3,728	4,285	3,028
5-Sep	4,531	3,806	1,946	2,963	4,288	3,488	3,824	3,075	3,728	4,285	3,028
Total	4,531	3,806	1,946	2,963	4,288	3,488	3,824	3,075	3,728	4,285	3,028

-Continued-

Escapement estimates are considered conservative due to the difficulty in distinguishing small chinook from sockeye as they pass through the weir, 1987-1993. After 1993, video cameras aided the identification of small chinook. No escapement adjustments are made for chinook salmon that escape after the weir is removed, those that spawn below the weir, or those removed by the sport fishery.

- ^a Weir was removed on 5 August.
- ^b Weir was removed on 14 August.
- ^c Weir was removed on 15 August.
- ^d Weir was removed on 25 August.
- ^e Weir was removed on 5 September.
- ^f Weir was removed on 3 September.
- ^g Weir was removed on 4 September.
- ^h Weir was lost due to high water on 20 August and was not reinstalled.



Appendix A.2. Comparison of the Chignik River chinook escapement goal to the 1991-2000 average escapement and the 2001 escapement.

Appendix A-3 Chignik River cumulative escapement counts for the combined early and late sockeye salmon runs (Black and Chignik Lakes) by day, 1991-2001.

Day	Year										
	1991 ^a	1992 ^b	1993 ^c	1994 ^d	1995 ^e	1996 ^f	1997 ^g	1998 ^h	1999 ⁱ	2000 ^j	2001 ^k
24-May	-	-	-	-	-	-	-	0	-	-	-
25-May	-	-	-	-	-	-	-	44	-	-	34
26-May	-	-	-	-	-	-	0	56	-	-	217
27-May	-	-	-	-	-	7	62	102	-	-	407
28-May	-	-	104	-	-	132	72	138	-	30	475
29-May	-	-	233	-	-	361	145	173	-	90	1,331
30-May	-	-	504	-	-	764	173	1,159	-	147	2,234
31-May	-	42	696	149	-	1,019	326	1,944	186	586	3,109
1-Jun	-	131	992	277	127	2,132	665	2,825	424	1,239	3,498
2-Jun	-	163	1,155	488	462	5,556	1,396	3,523	2,112	2,139	3,776
3-Jun	708	320	1,855	836	1,951	10,592	2,082	4,576	3,414	2,605	6,756
4-Jun	3,900	574	3,260	979	3,057	17,247	2,461	5,722	5,368	3,620	13,550
5-Jun	6,654	783	5,500	1,073	4,365	22,646	2,594	7,270	11,275	7,888	18,705
6-Jun	10,841	1,336	11,179	1,180	8,046	31,471	3,574	10,033	13,155	12,021	19,938
7-Jun	12,685	2,076	18,747	2,393	20,958	37,547	11,620	10,630	18,551	21,962	27,136
8-Jun	16,478	4,562	33,184	3,898	29,872	47,410	16,692	12,502	26,449	36,962	42,736
9-Jun	27,926	7,809	43,505	5,459	44,745	66,277	20,144	17,445	29,172	51,962	57,214
10-Jun	75,573	15,045	60,636	11,808	66,949	85,958	24,757	28,870	30,243	66,962	68,107
11-Jun	116,111	28,921	75,881	24,779	89,796	92,824	29,774	42,760	33,405	81,962	85,318
12-Jun	130,229	38,390	99,093	35,701	96,034	99,139	32,790	56,343	42,816	89,962	103,743
13-Jun	132,235	44,202	121,243	51,015	99,192	103,873	40,983	60,508	68,888	97,962	125,739
14-Jun	134,154	80,041	144,019	74,210	102,866	106,499	59,441	83,026	79,668	108,794	144,669
15-Jun	138,486	109,201	175,498	101,026	108,255	108,759	83,549	108,740	94,196	115,543	176,749
16-Jun	140,956	114,157	205,616	120,023	114,411	112,695	104,464	139,238	114,977	120,760	215,378
17-Jun	142,594	118,129	229,357	152,192	120,624	137,502	121,654	165,115	126,940	125,947	253,066
18-Jun	144,682	119,232	259,445	184,630	134,063	194,616	147,752	185,089	135,839	130,639	276,588
19-Jun	147,548	125,798	313,144	205,483	158,096	200,913	174,452	205,971	141,134	138,736	305,272
20-Jun	150,152	164,059	338,061	288,928	194,633	208,088	203,716	229,215	156,557	153,268	366,613
21-Jun	164,559	218,311	343,479	359,969	225,917	223,235	229,903	257,089	180,360	167,952	427,136
22-Jun	220,807	273,804	345,844	437,362	228,563	267,214	255,398	274,042	222,474	193,857	476,965
23-Jun	283,057	351,478	347,398	522,351	244,674	289,787	281,382	318,633	268,875	224,634	515,274
24-Jun	412,201	373,735	350,564	601,692	283,987	293,416	308,846	349,248	287,619	246,449	544,016

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Day	Year										
	1991 ^a	1992 ^b	1993 ^c	1994 ^d	1995 ^e	1996 ^f	1997 ^g	1998 ^h	1999 ⁱ	2000 ^j	2001 ^k
25-Jun	449,954	374,723	354,359	646,166	291,670	299,291	330,718	377,476	305,080	262,244	575,787
26-Jun	479,758	375,509	356,087	649,072	296,212	330,313	354,341	403,581	307,675	300,551	606,509
27-Jun	522,199	376,808	359,313	656,320	316,721	377,369	376,084	434,392	322,982	328,182	632,032
28-Jun	558,920	380,222	363,034	658,383	343,459	388,048	381,572	461,369	366,904	358,472	666,647
29-Jun	595,933	384,136	370,109	660,633	361,383	392,359	383,508	472,634	390,964	378,538	699,685
30-Jun	612,098	386,116	388,986	661,463	378,953	399,850	391,952	474,842	397,217	387,526	717,534
1-Jul	634,708	388,471	394,287	662,113	401,978	408,532	409,829	475,613	400,964	388,572	762,808
2-Jul	647,038	393,196	398,893	663,409	426,456	415,203	416,465	477,707	406,651	390,554	830,482
3-Jul	667,300	396,025	401,863	664,571	445,932	418,489	418,504	480,214	413,915	391,677	847,118
4-Jul	678,305	400,030	403,982	666,706	449,895	420,488	420,252	481,619	420,170	392,518	850,348
5-Jul	694,337	402,720	408,193	668,229	452,875	426,408	422,306	482,312	423,874	394,313	851,455
6-Jul	698,433	404,242	435,198	670,816	454,170	432,333	423,513	483,306	427,123	395,252	853,771
7-Jul	700,059	408,716	469,562	673,865	455,492	435,717	424,794	484,418	430,877	397,365	857,061
8-Jul	701,754	410,969	487,180	676,832	456,297	437,522	429,340	485,318	431,817	407,592	859,998
9-Jul	703,740	412,879	490,018	678,691	457,372	439,566	437,578	486,616	433,567	422,493	861,651
10-Jul	705,870	415,564	492,212	682,198	459,350	444,725	448,405	487,998	434,956	443,799	863,705
11-Jul	709,396	426,713	494,574	684,547	461,430	453,302	467,591	489,582	436,722	469,074	864,824
12-Jul	710,703	440,523	496,307	690,633	468,486	472,674	471,480	491,946	438,693	500,239	865,765
13-Jul	712,626	453,578	497,840	697,774	494,387	483,451	474,215	502,197	446,672	523,818	866,465
14-Jul	714,887	470,547	498,655	699,319	518,545	484,564	476,765	514,393	466,772	549,653	866,928
15-Jul	722,354	487,103	499,435	702,573	536,552	486,056	482,409	516,995	513,242	578,324	868,630
16-Jul	745,182	510,458	500,976	707,593	540,613	487,964	490,726	518,669	530,619	593,968	877,521
17-Jul	762,183	528,793	502,216	719,081	542,154	499,582	509,047	523,738	532,668	598,025	889,343
18-Jul	786,631	552,346	506,984	757,130	545,533	519,302	530,116	530,795	535,053	602,669	902,830
19-Jul	801,822	565,464	519,954	777,608	556,609	533,351	536,334	536,184	536,196	616,241	921,450
20-Jul	818,524	585,447	537,525	786,267	577,440	537,744	539,506	538,947	537,302	639,642	930,001
21-Jul	832,338	601,836	563,786	791,549	584,771	538,499	546,112	541,946	540,805	658,214	937,576
22-Jul	856,344	618,478	569,635	831,620	585,758	540,688	557,934	543,687	553,542	687,062	950,456
23-Jul	869,140	634,784	572,665	855,342	587,271	545,222	579,482	544,909	567,532	707,691	968,238
24-Jul	882,588	654,994	574,140	858,852	588,497	558,714	593,838	554,008	570,177	719,168	992,208
25-Jul	898,307	668,441	576,288	861,011	590,938	573,436	599,051	574,240	571,584	723,741	1,014,740
26-Jul	908,800	681,736	577,054	863,315	595,092	586,048	603,381	578,703	573,081	725,194	1,032,731
27-Jul	919,143	698,286	578,819	878,470	610,376	594,464	611,407	580,885	575,298	726,463	1,034,191

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Appendix A.3. (page 3 of 5)

Day	Year										
	1991 ^a	1992 ^b	1993 ^c	1994 ^d	1995 ^e	1996 ^f	1997 ^g	1998 ^h	1999 ⁱ	2000 ^j	2001 ^k
28-Jul	927,480	707,948	578,899	887,284	624,175	608,034	623,497	584,113	578,027	727,941	1,034,943
29-Jul	934,210	711,695	578,974	890,111	626,124	618,957	633,301	596,127	590,699	729,255	1,035,544
30-Jul	935,866	712,994	579,286	892,854	627,147	628,489	646,446	606,185	600,700	730,113	1,035,887
31-Jul	937,391	715,044	583,883	895,292	627,585	635,209	660,902	610,257	609,361	731,238	1,036,200
1-Aug	938,483	719,056	587,587	899,210	629,693	639,049	664,221	611,835	611,313	731,851	1,037,324
2-Aug	940,794	725,341	598,122	904,065	630,370	640,443	665,492	613,571	612,322	736,163	1,042,246
3-Aug	945,162	730,522	604,219	908,834	631,379	641,998	666,976	618,383	613,071	747,680	1,048,433
4-Aug	952,013	731,810	606,691	911,629	635,835	642,839	668,867	619,262	615,012	752,091	1,055,279
5-Aug	957,812	733,039	608,210	913,669	639,115	644,139	670,094	621,482	617,209	753,300	1,063,808
6-Aug	962,704	733,843	609,558	914,815	640,654	645,301	671,894	622,783	623,647	754,307	1,065,250
7-Aug	968,900	735,232	613,293	916,136	642,028	647,793	674,298	624,845	635,579	755,241	1,066,005
8-Aug	974,484	737,206	621,052	920,012	643,143	654,271	679,793	628,346	644,353	756,158	1,066,747
9-Aug	980,034	739,766	629,615	923,411	644,631	663,717	683,988	634,122	647,052	757,699	1,067,286
10-Aug	984,893	742,911	636,874	925,437	646,541	665,876	686,265	637,823	648,673	758,443	1,067,946
11-Aug	988,236	743,673	640,777	926,045	647,934	668,201	689,591	639,562	649,071	759,763	1,068,628
12-Aug	990,623	744,433	642,065	926,865	649,242	672,767	691,788	640,923	649,887	761,868	1,069,454
13-Aug	993,539	744,883	643,290	927,704	653,793	674,926	693,229	642,282	651,350	762,997	1,070,291
14-Aug	994,793	744,908	644,377	930,066	661,357	676,715	694,080	643,887	655,206	764,644	1,071,323
15-Aug	996,394	745,454	646,377	932,544	669,182	682,775	694,717	645,850	659,957	766,005	1,079,787
16-Aug	998,118	746,522	648,377	934,965	672,253	688,827	695,945	649,794	662,453	767,501	1,099,801
17-Aug	1,001,282	748,112	650,377	935,915	674,171	692,279	697,446	653,173	663,530	772,250	1,105,180
18-Aug	1,004,314	748,464	652,377	936,571	676,636	693,758	698,863	655,597	664,219	779,552	1,106,307
19-Aug	1,006,316	748,747	654,377	937,256	677,262	695,643	701,838	657,390	664,826	783,564	1,107,813
20-Aug	1,007,560	749,221	656,377	939,343	678,579	696,542	706,153	659,220	665,581	784,929	1,109,491
21-Aug	1,008,617	749,779	658,377	940,903	681,654	698,406	708,783	660,870	666,435	785,814	1,112,415
22-Aug	1,009,943	750,754	660,377	944,290	683,567	700,143	710,604	663,184	667,111	786,418	1,115,194
23-Aug	1,011,364	752,146	662,377	946,985	684,706	704,126	711,730	667,644	669,204	787,237	1,118,388
24-Aug	1,012,254	753,956	664,377	947,625	686,020	708,417	713,757	669,514	673,779	790,052	1,120,753
25-Aug	1,013,302	754,441	666,377	948,708	688,366	711,370	715,253	671,252	676,153	793,749	1,124,091
26-Aug	1,014,505	755,241	668,377	949,518	690,900	712,618	717,090	673,541	677,467	796,494	1,126,192
27-Aug	1,016,543	755,706	670,377	951,841	693,373	713,970	718,900	675,590	679,086	797,179	1,128,115
28-Aug	1,018,626	756,257	672,377	953,578	695,512	715,497	722,132	676,593	681,468	798,028	1,130,396
29-Aug	1,019,932	756,959	674,377	955,513	697,209	717,556	724,336	679,387	684,589	798,558	1,132,340

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Day	Year										
	1991 ^a	1992 ^b	1993 ^c	1994 ^d	1995 ^e	1996 ^f	1997 ^g	1998 ^h	1999 ⁱ	2000 ^j	2001 ^k
30-Aug	1,020,804	757,812	676,377	957,053	699,133	722,702	728,653	681,217	689,451	799,025	1,134,871
31-Aug	1,021,498	758,815	678,377	957,638	701,131	728,547	730,331	682,606	694,036	799,647	1,136,918
1-Sep	1,022,404	759,392	680,377	958,208	702,519	729,971	731,152	684,423	697,710	800,146	1,136,918
2-Sep	1,023,326	759,890	682,377	958,722	706,496	730,923	732,026	686,266	700,385	802,128	1,136,918
3-Sep	1,023,928	760,614	684,377	958,998	713,138	732,043	733,805	688,172	701,241	803,153	1,136,918
4-Sep	1,024,604	761,164	686,377	960,325	715,899	733,389	735,611	689,401	702,241	805,225	1,136,918
5-Sep	1,025,417	761,821	688,377	961,392	716,618	737,037	739,259	691,581	703,241	805,225	1,136,918
6-Sep	1,026,734	762,585	690,377	962,301	717,761	740,190	740,798	694,228	704,241	805,225	1,136,918
7-Sep	1,028,141	763,456	692,377	962,603	719,529	742,915	741,776	695,882	705,241	805,225	1,136,918
8-Sep	1,028,986	763,787	694,377	962,911	721,755	743,493	742,711	697,223	706,241	805,225	1,136,918
9-Sep	1,029,574	763,977	696,377	963,184	728,134	744,157	748,258	698,251	707,241	805,225	1,136,918
10-Sep	1,030,023	764,266	697,377	963,967	732,130	744,811	756,017	698,966	708,241	805,225	1,136,918
11-Sep	1,030,633	764,436	697,377	964,553	733,791	745,255	760,948	699,590	709,241	805,225	1,136,918
12-Sep	1,031,232	764,436	697,377	964,948	734,878	746,569	762,633	700,124	710,241	805,225	1,136,918
13-Sep	1,031,637	764,436	697,377	965,262	736,233	747,705	764,455	700,567	711,241	805,225	1,136,918
14-Sep	1,032,076	764,436	697,377	965,396	737,985	748,687	766,185	700,920	712,241	805,225	1,136,918
15-Sep	1,032,622	764,436	697,377	965,479	739,044	748,829	771,584	701,128	713,241	805,225	1,136,918
16-Sep	1,033,479	764,436	697,377	965,565	739,795	748,970	773,810	701,128	714,241	805,225	1,136,918
17-Sep	1,034,423	764,436	697,377	965,836	739,920	749,137	775,618	701,128	715,241	805,225	1,136,918
18-Sep	1,034,973	764,436	697,377	966,221	739,920	749,137	775,618	701,128	715,966	805,225	1,136,918
19-Sep	1,035,367	764,436	697,377	966,673	739,920	749,137	775,618	701,128	715,966	805,225	1,136,918
20-Sep	1,035,660	764,436	697,377	966,820	739,920	749,137	775,618	701,128	715,966	805,225	1,136,918
21-Sep	1,036,069	764,436	697,377	966,852	739,920	749,137	775,618	701,128	715,966	805,225	1,136,918
22-Sep	1,036,460	764,436	697,377	966,862	739,920	749,137	775,618	701,128	715,966	805,225	1,136,918
23-Sep	1,036,731	764,436	697,377	966,889	739,920	749,137	775,618	701,128	715,966	805,225	1,136,918
24-Sep	1,037,018	764,436	697,377	966,909	739,920	749,137	775,618	701,128	715,966	805,225	1,136,918
25-Sep	1,037,383	764,436	697,377	966,684	739,920	749,137	775,618	701,128	715,966	805,225	1,136,918
26-Sep	1,037,943	764,436	697,377	966,684	739,920	749,137	775,618	701,128	715,966	805,225	1,136,918
27-Sep	1,038,574	764,436	697,377	966,684	739,920	749,137	775,618	701,128	715,966	805,225	1,136,918
28-Sep	1,038,934	764,436	697,377	966,684	739,920	749,137	775,618	701,128	715,966	805,225	1,136,918
29-Sep	1,039,197	764,436	697,377	966,684	739,920	749,137	775,618	701,128	715,966	805,225	1,136,918
30-Sep	1,039,389	764,436	697,377	966,684	739,920	749,137	775,618	701,128	715,966	805,225	1,136,918
1-Oct	1,039,662	764,436	697,377	966,909	739,920	749,137	775,618	701,128	715,966	805,225	1,136,918

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Day	Year										
	1991 ^a	1992 ^b	1993 ^c	1994 ^d	1995 ^e	1996 ^f	1997 ^g	1998 ^h	1999 ⁱ	2000 ^j	2001 ^k
2-Oct	1,039,917	764,436	697,377	966,909	739,920	749,137	775,618	701,128	715,966	805,225	1,136,918
3-Oct	1,040,098	764,436	697,377	966,909	739,920	749,137	775,618	701,128	715,966	805,225	1,136,918
Total	1,040,098	764,436	697,377	966,909	739,920	749,137	775,618	701,128	715,966	805,225	1,136,918

^a Includes a postweir estimate of 82,286 salmon, weir was removed on 5 August.

^b Includes a postweir estimate of 31,397 salmon, weir was removed on 5 August.

^c Includes a postweir estimate of 53,000 salmon, weir was removed on 14 August.

^d Includes a postweir estimate of 34,365 salmon, weir was removed on 15 August.

^e Includes a postweir estimate of 51,554 salmon, weir was removed on 25 August.

^f Includes a postweir estimate of 12,100 salmon, weir was removed on 5 September.

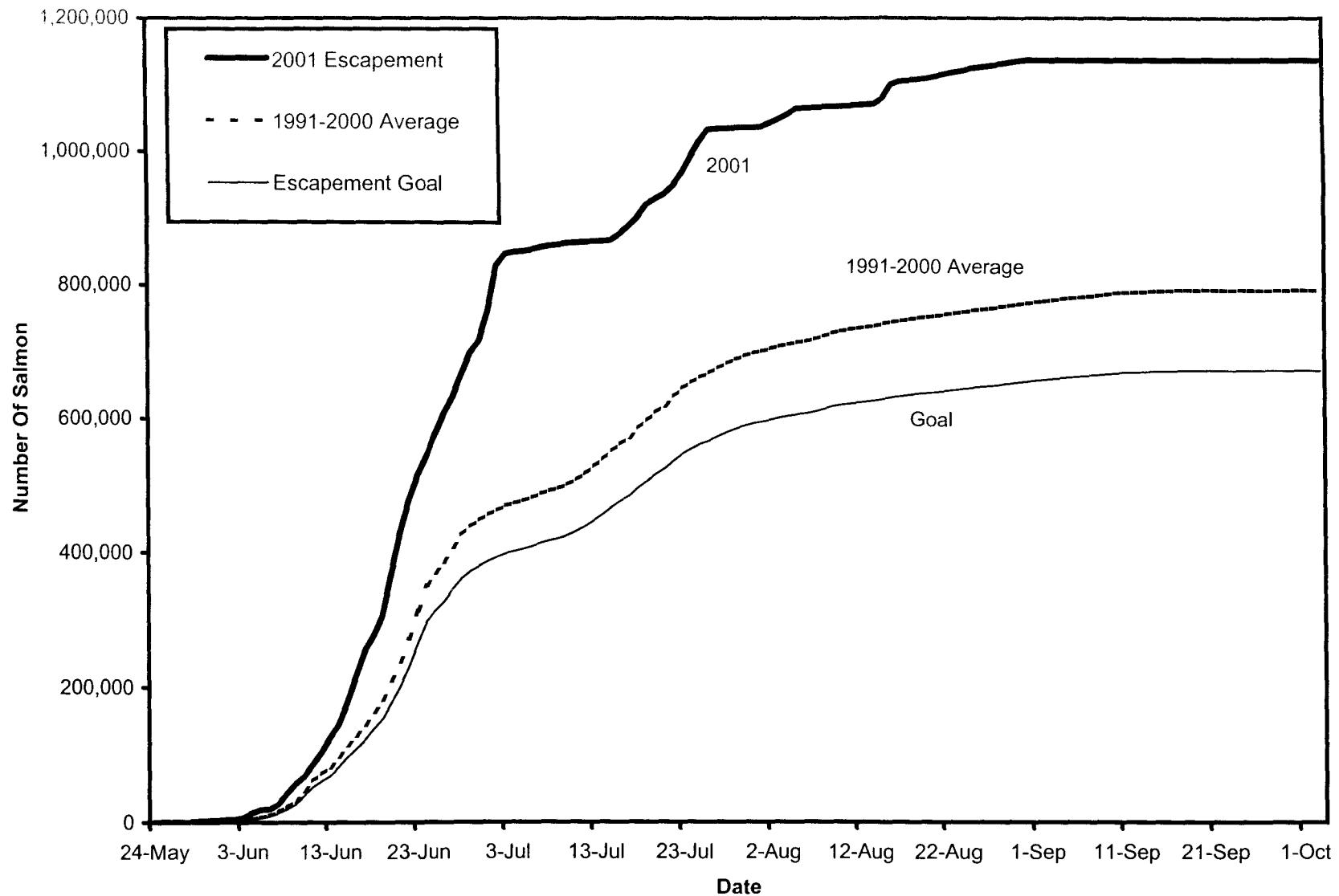
^g Includes a postweir estimate of 36,359 salmon, weir was removed on 5 September.

^h Includes a postweir estimate of 9,547 adult salmon, weir was removed on 5 September. An additional 2,214 jack sockeye salmon were estimated to have escaped through the weir; due to the difficulty of distinguishing jack salmon from Dolly Varden, the jacks' were not included with the weir counts.

ⁱ Includes a postweir estimate of 14,725 salmon, weir was removed on 3 September.

^j Does not includes a postweir estimate, weir was removed on 4 September. Late season aerial survey escapement estimates indicated a total escapement of about 1,000,000 sockeye salmon; the "missing" fish passed the weir during 8 June - 11 July when it was washed out by high water.

^k Includes a postweir (20-30 August) estimate of 29,105 salmon, weir was washed out on 20 August.



Appendix A.4. Comparison of the Chignik River early and late run combined sockeye salmon escapement goal to the 1991-2000 average escapement and the 2001 escapement (as determined by postseason scale pattern analysis).

Appendix A.5. Chignik River cumulative escapement counts for coho salmon by day, 1995-2001.

Day	Year					
	1995 ^a	1996 ^b	1997 ^c	1998 ^d	1999 ^e	2000 ^f
1 Jun-18 Jul	0	0	0	0	0	0
19-Jul	0	0	0	0	0	0
20-Jul	0	0	0	0	0	0
21-Jul	0	0	0	0	0	0
22-Jul	0	0	0	0	0	0
23-Jul	0	0	0	0	0	0
24-Jul	0	0	0	0	0	0
25-Jul	0	0	0	0	0	0
26-Jul	0	0	0	0	0	0
27-Jul	0	0	0	0	0	0
28-Jul	0	0	0	0	0	0
29-Jul	0	0	0	0	0	0
30-Jul	0	0	0	0	0	6
31-Jul	0	0	0	0	0	6
1-Aug	0	0	0	0	0	6
2-Aug	0	0	0	6	0	6
3-Aug	0	0	0	6	0	6
4-Aug	0	0	0	6	0	6
5-Aug	0	0	0	6	0	6
6-Aug	0	6	0	6	0	6
7-Aug	0	6	0	66	0	6
8-Aug	0	12	0	66	0	6
9-Aug	0	18	0	96	0	6
10-Aug	0	24	0	108	0	12
11-Aug	0	24	0	108	0	12
12-Aug	0	24	0	108	0	12
13-Aug	0	30	0	114	24	12
14-Aug	2	30	18	114	74	24
15-Aug	8	48	36	120	118	60
16-Aug	20	108	44	162	130	66
17-Aug	74	187	68	180	180	102
18-Aug	134	223	86	204	198	126
19-Aug	212	253	104	252	240	156
20-Aug	356	283	104	348	270	156
21-Aug	462	439	116	468	354	184
22-Aug	630	601	140	594	366	262
23-Aug	775	2,224	170	918	378	328
24-Aug	874	3,253	394	1,248	456	389
25-Aug	1,500	3,953	450	1,584	458	795
26-Aug	2,000	5,048	558	2,868	546	1,366
27-Aug	3,000	5,920	885	3,312	812	1,608
28-Aug	4,000	6,584	1,493	3,459	866	1,896
29-Aug	5,000	7,523	2,210	4,085	950	2,424
30-Aug	6,000	8,975	4,340	6,368	1,430	3,154
31-Aug	7,000	11,189	5,421	8,186	2,138	4,161
1-Sep	8,000	13,448	6,844	10,121	2,354	4,677
2-Sep	9,000	14,819	7,648	12,186	2,396	5,287

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Appendix A.5. (page 2 of 2)

Day	Year					
	1995 ^a	1996 ^b	1997 ^c	1998 ^d	1999 ^e	2000 ^f
3-Sep	10,000	15,642	9,001	12,944	2,414	6,004
4-Sep	11,000	16,843	10,810	14,124	2,414	7,062
5-Sep	12,000	21,302	15,990	16,442	2,414	7,062
6-Sep	13,000	25,518	19,571	20,139	2,414	7,062
7-Sep	14,000	29,492	21,794	21,993	2,414	7,062
8-Sep	15,000	30,634	23,784	23,523	2,414	7,062
9-Sep	15,500	31,504	28,546	24,729	2,414	7,062
10-Sep	16,000	32,213	33,015	25,617	2,414	7,062
11-Sep	16,500	32,897	34,936	26,367	2,414	7,062
12-Sep	17,000	35,234	36,328	26,978	2,414	7,062
13-Sep	17,500	37,113	38,146	27,450	2,414	7,062
14-Sep	18,000	38,533	40,916	27,784	2,414	7,062
15-Sep	18,204	38,663	43,921	27,821	2,414	7,062
16-Sep	18,204	38,763	45,099	27,821	2,414	7,062
17-Sep	18,204	38,898	46,098	27,821	2,414	7,062
18-Sep	18,204	38,898	46,098	27,821	2,414	7,062
19-Sep	18,204	38,898	46,098	27,821	2,414	7,062
20-Sep	18,204	38,898	46,098	27,821	2,414	7,062
Total	18,204	38,898	46,098	27,821	2,414	7,062
						103

Only since 1995 (video cameras installed in 1994) have coho been able to be distinguished from other species.

^a Includes a postweir estimate of 17,330 salmon. Escapement was estimated through 16 September. Weir was removed on 25 August.

^b Includes a postweir estimate of 22,055 salmon. Escapement was estimated through 17 September. Weir was removed on 5 September.

^c Includes a postweir estimate of 35,688 salmon. Escapement was estimated through 17 September. Weir was removed on 5 September.

^d Includes a postweir estimate of 13,697 salmon. Escapement was estimated through 15 September. Weir was removed on 5 September.

^e Count does not include a postweir estimate of coho salmon. Weir was removed on 3 September.

^f Count does not include a postweir estimate of coho salmon. Weir was removed on 4 September.

^g Weir was lost due to high water on 20 August and was not reinstalled.

Appendix A.6. Chignik River cumulative escapement counts for pink salmon by day, 1995-2001.

Day	Year						
	1995 ^a	1996 ^b	1997 ^b	1998 ^b	1999 ^c	2000 ^d	2001 ^e
30-Jun	0	0	0	0	0	0	6
1-Jul	0	6	0	0	0	0	36
2-Jul	0	6	0	0	0	0	90
3-Jul	0	6	0	0	6	0	168
4-Jul	0	6	0	0	6	0	174
5-Jul	0	6	0	0	6	0	174
6-Jul	0	6	0	0	6	0	186
7-Jul	0	6	0	0	6	0	204
8-Jul	0	6	0	0	6	0	222
9-Jul	0	6	0	0	6	0	222
10-Jul	0	6	6	0	6	0	222
11-Jul	0	6	6	0	80	0	234
12-Jul	0	6	6	36	80	102	246
13-Jul	0	6	6	42	80	240	258
14-Jul	0	6	18	42	92	306	276
15-Jul	0	12	72	42	92	306	294
16-Jul	0	18	96	60	98	450	336
17-Jul	0	30	138	66	110	540	336
18-Jul	0	30	180	84	116	582	342
19-Jul	0	48	180	90	128	720	360
20-Jul	0	96	216	90	164	720	372
21-Jul	0	198	240	111	176	918	402
22-Jul	0	216	270	117	183	978	414
23-Jul	0	228	312	135	207	1,098	432
24-Jul	0	246	330	147	213	1,098	450
25-Jul	0	258	402	177	263	1,266	462
26-Jul	0	258	516	213	349	1,278	510
27-Jul	0	261	671	243	391	1,344	522
28-Jul	0	297	739	243	402	1,344	534
29-Jul	0	303	793	261	434	1,464	594
30-Jul	0	309	883	291	446	1,548	654
31-Jul	0	315	973	303	482	1,614	666
1-Aug	0	357	1,078	315	512	1,650	678
2-Aug	0	411	1,152	333	571	1,746	708
3-Aug	0	441	1,276	447	619	1,878	762
4-Aug	6	466	1,354	486	667	1,962	768
5-Aug	102	503	1,458	666	781	1,992	816
6-Aug	234	551	1,596	750	857	2,046	852
7-Aug	254	585	1,759	969	1,006	2,130	876
8-Aug	272	622	1,896	1,521	1,120	2,166	894
9-Aug	280	751	2,004	1,969	1,130	2,280	894
10-Aug	316	792	2,085	2,176	1,137	2,316	906
11-Aug	352	825	2,147	2,266	1,143	2,412	948
12-Aug	370	1,259	2,183	2,392	1,155	2,466	996
13-Aug	408	1,651	2,207	2,543	1,191	2,556	1,002
14-Aug	427	1,833	2,249	2,824	1,197	2,698	1,032
15-Aug	458	2,027	2,311	3,224	1,275	2,758	1,068
16-Aug	497	2,185	2,380	3,718	1,311	2,986	1,230

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Appendix A.6. (page 2 of 2)

Day	Year						
	1995 ^a	1996 ^b	1997 ^b	1998 ^b	1999 ^c	2000 ^d	2001 ^e
17-Aug	562	2,415	2,488	4,609	1,335	3,106	1,338
18-Aug	604	2,613	2,605	5,317	1,347	3,208	1,386
19-Aug	724	2,923	2,695	6,084	1,353	3,280	1,464
20-Aug	806	3,187	2,882	6,553	1,389	3,346	1,464
21-Aug	866	3,625	2,966	6,933	1,431	3,482	1,464
22-Aug	1,000	3,813	3,104	7,451	1,455	3,609	1,464
23-Aug	1,121	4,274	3,226	7,886	1,479	3,759	1,464
24-Aug	1,127	4,383	3,491	8,286	1,840	3,975	1,464
25-Aug	1,127	4,600	3,607	8,685	1,888	4,146	1,464
26-Aug	1,127	4,868	3,709	9,146	1,960	4,176	1,464
27-Aug	1,127	5,064	3,877	9,367	2,008	4,176	1,464
28-Aug	1,127	5,206	3,978	9,649	2,080	4,194	1,464
29-Aug	1,127	5,293	4,137	10,009	2,176	4,212	1,464
30-Aug	1,127	5,531	4,290	10,399	2,302	4,218	1,464
31-Aug	1,127	5,735	4,443	10,823	2,482	4,248	1,464
1-Sep	1,127	5,850	4,586	11,039	2,482	4,260	1,464
2-Sep	1,127	5,913	4,712	11,256	2,518	4,266	1,464
3-Sep	1,127	5,994	4,844	11,379	2,524	4,284	1,464
4-Sep	1,127	6,030	4,880	11,490	2,524	4,284	1,464
Total	1,127	6,030	4,880	11,490	2,524	4,284	1,464

Note: Only since 1995 (video cameras installed in 1994) have pink salmon been able to be distinguished from other species.

^a Weir was removed on 25 August.

^b Weir was removed on 5 September.

^c Weir was removed on 3 September.

^d Weir was removed on 4 September.

^e Weir was lost due to high water on 20 August and was not reinstalled.

Appendix A.7. Chignik River cumulative escapement counts for chum salmon by day, 1996-2001.

Day	Year					
	1996 ^a	1997 ^a	1998 ^a	1999 ^b	2000 ^c	2001 ^d
June 1 - 12	0	0	0	0	0	0
13-Jun	0	0	6	0	0	0
14-Jun	0	0	6	0	0	0
15-Jun	0	0	6	0	0	0
16-Jun	0	0	6	0	0	6
17-Jun	0	0	6	0	0	6
18-Jun	0	0	6	0	0	6
19-Jun	0	0	6	0	0	6
20-Jun	0	0	6	0	0	6
21-Jun	0	0	6	0	0	6
22-Jun	0	0	6	0	0	6
23-Jun	0	0	6	0	0	6
24-Jun	0	0	6	0	0	6
25-Jun	0	0	6	0	0	6
26-Jun	0	0	6	0	0	6
27-Jun	0	0	6	0	0	6
28-Jun	0	0	6	0	0	6
29-Jun	0	0	6	0	0	6
30-Jun	0	0	6	0	0	6
1-Jul	0	0	6	0	0	6
2-Jul	0	0	6	0	0	6
3-Jul	0	6	6	0	0	6
4-Jul	0	6	6	0	0	6
5-Jul	0	6	6	0	0	6
6-Jul	0	6	6	0	0	12
7-Jul	0	6	6	0	0	18
8-Jul	0	6	6	0	0	24
9-Jul	0	6	6	0	0	24
10-Jul	0	12	6	0	0	24
11-Jul	0	12	6	0	0	24
12-Jul	0	12	12	0	0	24
13-Jul	0	12	12	0	0	30
14-Jul	0	12	12	0	0	30
15-Jul	0	12	12	6	0	30
16-Jul	0	24	12	6	0	30
17-Jul	0	48	12	6	0	30
18-Jul	0	48	12	6	0	30
19-Jul	0	54	18	6	0	30
20-Jul	0	60	18	6	0	30
21-Jul	0	72	18	6	0	30
22-Jul	0	78	24	6	0	30
23-Jul	6	78	24	6	0	30
24-Jul	12	90	24	6	0	30
25-Jul	12	102	24	6	0	30
26-Jul	18	114	30	6	0	30
27-Jul	24	126	36	6	0	30
28-Jul	24	138	36	6	0	30

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Appendix A.7. (page 2 of 2)

Day	Year					
	1996 ^a	1997 ^a	1998 ^a	1999 ^b	2000 ^c	2001 ^d
29-Jul	30	144	36	6	0	30
30-Jul	36	150	36	6	22	30
31-Jul	36	150	36	6	22	30
1-Aug	36	156	36	6	22	30
2-Aug	36	156	36	6	22	30
3-Aug	36	156	48	6	22	36
4-Aug	36	168	48	6	22	42
5-Aug	36	168	48	6	28	42
6-Aug	42	168	48	6	28	42
7-Aug	42	267	48	6	28	42
8-Aug	42	267	48	6	28	42
9-Aug	48	267	48	6	28	42
10-Aug	48	267	48	6	28	42
11-Aug	48	267	48	6	28	42
12-Aug	60	273	48	6	28	42
13-Aug	60	273	54	6	28	48
14-Aug	60	273	60	6	28	54
15-Aug	60	279	72	6	28	54
16-Aug	60	279	72	6	34	54
17-Aug	60	291	78	6	34	54
18-Aug	72	297	78	6	34	54
19-Aug	78	297	78	6	34	66
20-Aug	78	297	78	48	34	66
21-Aug	84	297	78	48	34	66
22-Aug	90	297	78	48	35	66
23-Aug	90	309	96	48	35	66
24-Aug	96	315	102	48	41	66
25-Aug	96	315	108	48	47	66
26-Aug	96	321	120	48	47	66
27-Aug	96	345	120	48	47	66
28-Aug	106	345	132	48	47	66
29-Aug	106	345	132	48	47	66
30-Aug	106	345	150	48	47	66
31-Aug	106	345	150	48	47	66
1-Sep	130	345	150	48	47	66
2-Sep	136	363	150	48	47	66
3-Sep	136	405	156	48	47	66
4-Sep	136	483	156	48	48	66
Total	136	483	156	48	48	66

Note: Only since 1996 have chum salmon been distinguished from other species.

^a Weir was removed on 5 September.

^b Weir was removed on 3 September.

^c Weir was removed on 4 September.

^d Weir was lost due to high water on 20 August and was not reinstalled.

Appendix A.8. Chignik River cumulative escapement counts for Dolly Varden by day, 1996-2001.

Day	Year					
	1996 ^a	1997 ^a	1998 ^a	1999 ^b	2000 ^c	2001 ^d
24-May	0	0	6	0	-	-
25-May	0	0	12	0	-	0
26-May	0	0	18	0	-	24
27-May	0	0	24	0	-	108
28-May	0	0	30	0	-	108
29-May	0	0	30	0	-	234
30-May	1	0	36	0	-	240
31-May	1	0	60	0	-	420
1-Jun	1	0	72	20	-	420
2-Jun	1	8	90	35	-	420
3-Jun	1	8	102	36	-	420
4-Jun	1	8	124	36	-	420
5-Jun	1	8	166	50	-	420
6-Jun	1	8	192	56	-	420
7-Jun	1	14	210	103	-	420
8-Jun	1	14	234	130	-	420
9-Jun	1	16	252	142	-	432
10-Jun	1	22	282	154	-	432
11-Jun	19	22	288	166	-	432
12-Jun	19	22	300	268	-	450
13-Jun	37	40	318	353	-	492
14-Jun	67	64	354	372	-	498
15-Jun	119	100	360	437	-	534
16-Jun	197	118	384	502	-	546
17-Jun	461	119	468	518	-	552
18-Jun	593	136	529	538	-	636
19-Jun	623	154	685	550	-	660
20-Jun	683	221	982	574	-	720
21-Jun	755	314	1,606	592	-	786
22-Jun	815	719	2,086	634	-	896
23-Jun	845	2,194	2,344	705	-	1,202
24-Jun	858	3,507	2,560	723	-	1,256
25-Jun	996	4,317	2,687	740	-	1,340
26-Jun	1,110	5,028	2,923	767	-	1,358
27-Jun	1,398	6,193	3,256	817	-	1,418
28-Jun	1,768	7,084	3,407	847	-	1,532
29-Jun	2,110	7,378	3,582	865	-	1,716
30-Jun	2,146	7,698	3,777	878	-	1,842
1-Jul	2,692	8,002	3,843	896	-	2,028
2-Jul	2,812	8,775	4,083	914	-	2,364
3-Jul	3,256	9,207	4,281	954	-	2,696
4-Jul	3,638	10,643	4,457	1,002	-	2,816
5-Jul	3,920	12,105	4,550	1,129	-	2,912
6-Jul	4,156	12,530	4,977	1,249	-	3,014
7-Jul	4,430	12,848	5,221	1,444	-	3,242
8-Jul	4,562	13,371	5,734	1,522	-	3,380
9-Jul	4,694	13,895	6,056	1,558	-	3,446

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Day	Year					
	1996 ^a	1997 ^a	1998 ^a	1999 ^b	2000 ^c	2001 ^d
10-Jul	5,342	14,363	6,341	1,655	-	3,548
11-Jul	6,356	15,048	7,053	1,939	-	3,572
12-Jul	8,002	15,447	7,732	2,267	-	3,584
13-Jul	9,190	16,046	8,688	2,966	-	3,596
14-Jul	9,508	16,953	9,393	4,045	-	3,602
15-Jul	13,092	18,526	9,603	5,182	-	3,644
16-Jul	16,038	19,462	9,847	5,667	-	3,764
17-Jul	18,046	20,387	10,090	5,760	-	3,866
18-Jul	19,112	21,305	10,340	6,300	-	4,032
19-Jul	20,159	21,488	10,756	6,608	-	4,146
20-Jul	20,789	21,701	11,132	6,883	-	4,194
21-Jul	21,227	22,176	11,292	7,253	-	4,368
22-Jul	22,741	22,414	11,477	7,659	-	4,662
23-Jul	23,887	22,639	11,665	8,568	-	4,770
24-Jul	26,209	22,834	11,845	8,860	-	4,836
25-Jul	28,043	22,959	11,982	8,912	-	4,926
26-Jul	29,153	23,141	12,071	9,818	-	5,202
27-Jul	30,145	23,395	12,168	10,792	-	5,292
28-Jul	31,393	23,574	12,350	11,186	-	5,334
29-Jul	33,269	23,617	12,550	12,210	-	5,358
30-Jul	33,887	23,780	12,689	12,546	-	5,382
31-Jul	34,748	23,868	12,793	13,439	-	5,382
1-Aug	35,380	23,940	12,842	13,705	-	5,464
2-Aug	36,029	24,044	12,881	13,829	-	5,542
3-Aug	36,781	24,139	12,942	13,997	-	5,566
4-Aug	36,967	24,199	12,978	14,327	-	5,638
5-Aug	37,225	24,319	13,074	14,611	-	5,686
6-Aug	37,573	24,417	13,104	14,701	-	5,704
7-Aug	38,049	24,423	13,134	14,815	-	5,710
8-Aug	38,667	24,485	13,230	14,845	-	5,722
9-Aug	39,453	24,665	13,333	14,875	-	5,722
10-Aug	39,741	24,762	13,387	14,887	-	5,722
11-Aug	39,909	24,792	13,405	14,887	-	5,722
12-Aug	40,431	24,870	13,460	14,887	-	5,734
13-Aug	41,563	24,996	13,492	14,893	-	5,746
14-Aug	42,071	25,088	13,535	14,917	-	5,746
15-Aug	42,625	25,118	13,591	14,917	-	5,746
16-Aug	43,113	25,179	13,657	14,917	-	5,920
17-Aug	43,650	25,299	13,693	14,917	-	5,956
18-Aug	43,992	25,311	13,706	14,917	-	5,986
19-Aug	44,553	25,410	13,748	14,923	-	6,416
20-Aug	45,441	25,586	13,808	14,923	-	6,416
21-Aug	46,282	25,631	13,910	14,929	-	6,416
22-Aug	47,585	25,685	14,007	14,929	-	6,416
23-Aug	49,897	25,823	14,196	14,929	-	6,416
24-Aug	50,743	26,021	14,304	14,953	-	6,416
25-Aug	51,395	26,129	14,442	14,965	-	6,416

-Continued-

Appendix A.8. (page 3 of 3)

Day	Year					2001 ^d
	1996 ^a	1997 ^a	1998 ^a	1999 ^b	2000 ^c	
26-Aug	51,890	26,195	14,508	14,971	-	6,416
27-Aug	52,382	26,290	14,569	14,971	-	6,416
28-Aug	52,584	26,354	14,583	14,971	-	6,416
29-Aug	52,776	26,423	14,634	14,983	-	6,416
30-Aug	53,184	26,492	14,700	15,007	-	6,416
31-Aug	53,508	26,528	14,808	15,019	-	6,416
1-Sep	53,850	26,549	14,982	15,019	-	6,416
2-Sep	54,138	26,582	15,072	15,025	-	6,416
3-Sep	54,426	26,619	15,199	15,025	-	6,416
4-Sep	54,726	26,657	15,235	15,025	-	6,416
Total	54,726	26,657	15,235	15,025	-	6,416

Note: Only since 1996 have escapements been estimated.

^a Weir was removed on 5 September.

^b Weir was removed on 3 September.

^c Weir was not fish tight from 8-13 June and sonar was used to enumerate the escapement from 14 June - 11 July, 2000. The sonar could not identify Dolly Varden escapement and thus no estimates were calculated for 2000. Weir was removed on 4 September.

^d Weir was lost due to high water on 20 August and was not reinstalled.

Appendix A.9. Chignik River average escapement by species by day.

Day	Chinook ^a		Sockeye ^a		Coho ^b		Pink ^b		Chum ^c		Dolly Varden ^d	
	Average	Average %	Average	Average %	Average	Average %	Average	Average %	Average	Average %	Average	Average %
24-May	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	2	0.0
25-May	0	0.0	4	0.0	0	0.0	0	0.0	0	0.0	3	0.0
26-May	0	0.0	6	0.0	0	0.0	0	0.0	0	0.0	5	0.0
27-May	0	0.0	17	0.0	0	0.0	0	0.0	0	0.0	6	0.0
28-May	0	0.0	48	0.0	0	0.0	0	0.0	0	0.0	8	0.0
29-May	0	0.0	100	0.0	0	0.0	0	0.0	0	0.0	8	0.0
30-May	0	0.0	275	0.0	0	0.0	0	0.0	0	0.0	9	0.0
31-May	0	0.0	495	0.1	0	0.0	0	0.0	0	0.0	15	0.1
1-Jun	0	0.0	881	0.1	0	0.0	0	0.0	0	0.0	23	0.1
2-Jun	0	0.0	1,699	0.2	0	0.0	0	0.0	0	0.0	34	0.1
3-Jun	0	0.0	2,894	0.4	0	0.0	0	0.0	0	0.0	37	0.1
4-Jun	0	0.0	4,619	0.6	0	0.0	0	0.0	0	0.0	42	0.2
5-Jun	0	0.0	7,005	0.9	0	0.0	0	0.0	0	0.0	56	0.2
6-Jun	1	0.0	10,284	1.3	0	0.0	0	0.0	0	0.0	64	0.2
7-Jun	1	0.0	15,717	2.0	0	0.0	0	0.0	0	0.0	82	0.3
8-Jun	1	0.0	22,801	2.9	0	0.0	0	0.0	0	0.0	95	0.3
9-Jun	1	0.0	31,444	4.0	0	0.0	0	0.0	0	0.0	103	0.4
10-Jun	1	0.0	46,680	5.9	0	0.0	0	0.0	0	0.0	115	0.4
11-Jun	1	0.0	61,621	7.7	0	0.0	0	0.0	0	0.0	124	0.4
12-Jun	1	0.0	72,050	9.1	0	0.0	0	0.0	0	0.0	152	0.5
13-Jun	1	0.0	82,010	10.3	0	0.0	0	0.0	1	0.7	187	0.7
14-Jun	1	0.0	97,272	12.2	0	0.0	0	0.0	1	0.7	214	0.8
15-Jun	1	0.0	114,325	14.4	0	0.0	0	0.0	1	0.7	254	0.9
16-Jun	2	0.1	128,730	16.2	0	0.0	0	0.0	1	0.7	300	1.1
17-Jun	6	0.2	144,005	18.1	0	0.0	0	0.0	1	0.7	392	1.4
18-Jun	8	0.2	163,599	20.6	0	0.0	0	0.0	1	0.7	449	1.6
19-Jun	13	0.4	181,128	22.8	0	0.0	0	0.0	1	0.7	503	1.8
20-Jun	32	0.9	208,668	26.2	0	0.0	0	0.0	1	0.7	615	2.2
21-Jun	42	1.2	237,077	29.8	0	0.0	0	0.0	1	0.7	817	2.9
22-Jun	53	1.5	271,937	34.2	0	0.0	0	0.0	1	0.7	1,064	3.8

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Appendix A.9. (page 2 of 5)

Day	Chinook ^a		Sockeye ^a		Coho ^b		Pink ^b		Chum ^c		Dolly Varden ^d	
	Average	Average %	Average	Average %	Average	Average %	Average	Average %	Average	Average %	Average	Average %
23-Jun	63	1.8	313,227	39.4	0	0.0	0	0.0	1	0.7	1,522	5.5
24-Jun	90	2.5	350,776	44.1	0	0.0	0	0.0	1	0.7	1,912	6.9
25-Jun	120	3.3	369,168	46.4	0	0.0	0	0.0	1	0.7	2,185	7.8
26-Jun	143	4.0	385,310	48.4	0	0.0	0	0.0	1	0.7	2,457	8.8
27-Jun	186	5.2	407,037	51.2	0	0.0	0	0.0	1	0.7	2,916	10.4
28-Jun	244	6.8	426,038	53.6	0	0.0	0	0.0	1	0.7	3,277	11.7
29-Jun	290	8.1	439,020	55.2	0	0.0	0	0.0	1	0.7	3,484	12.5
30-Jun	341	9.5	447,900	56.3	0	0.0	0	0.0	1	0.7	3,625	13.0
1-Jul	393	10.9	456,507	57.4	0	0.0	1	0.0	1	0.7	3,858	13.8
2-Jul	459	12.8	463,557	58.3	0	0.0	1	0.0	1	0.7	4,146	14.9
3-Jul	526	14.6	469,849	59.1	0	0.0	2	0.0	2	1.4	4,425	15.9
4-Jul	601	16.7	473,397	59.5	0	0.0	2	0.0	2	1.4	4,935	17.7
5-Jul	706	19.6	477,557	60.0	0	0.0	2	0.0	2	1.4	5,426	19.4
6-Jul	786	21.9	482,439	60.6	0	0.0	2	0.0	2	1.4	5,728	20.5
7-Jul	873	24.3	488,087	61.3	0	0.0	2	0.0	2	1.4	5,986	21.4
8-Jul	994	27.7	492,462	61.9	0	0.0	2	0.0	2	1.4	6,297	22.6
9-Jul	1,101	30.6	496,252	62.4	0	0.0	2	0.0	2	1.4	6,551	23.5
10-Jul	1,241	34.5	501,508	63.0	0	0.0	3	0.1	4	2.1	6,925	24.8
11-Jul	1,366	38.0	509,293	64.0	0	0.0	15	0.3	4	2.1	7,599	27.2
12-Jul	1,514	42.1	518,168	65.1	0	0.0	38	0.8	5	2.8	8,362	30.0
13-Jul	1,686	46.9	528,656	66.4	0	0.0	62	1.2	5	2.8	9,223	33.0
14-Jul	1,807	50.3	539,410	67.8	0	0.0	77	1.5	5	2.8	9,975	35.7
15-Jul	1,958	54.5	552,504	69.4	0	0.0	87	1.7	6	3.4	11,601	41.6
16-Jul	2,071	57.7	562,677	70.7	0	0.0	120	2.4	8	4.8	12,754	45.7
17-Jul	2,192	61.0	571,749	71.9	0	0.0	147	2.9	13	7.6	13,571	48.6
18-Jul	2,316	64.5	586,656	73.7	0	0.0	165	3.3	13	7.6	14,264	51.1
19-Jul	2,466	68.6	597,976	75.2	0	0.0	194	3.8	16	9.0	14,753	52.9
20-Jul	2,605	72.5	609,834	76.7	0	0.0	214	4.2	17	9.6	15,126	54.2
21-Jul	2,681	74.6	619,986	77.9	0	0.0	274	5.4	19	11.0	15,487	55.5
22-Jul	2,787	77.6	634,475	79.7	0	0.0	294	5.8	22	12.4	16,073	57.6

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Appendix A.9. (page 3 of 5)

Day	Chinook ^a		Sockeye ^a		Coho ^b		Pink ^b		Chum ^c		Dolly Varden ^d	
	Average	Average %	Average	Average %	Average	Average %	Average	Average %	Average	Average %	Average	Average %
23-Jul	2,883	80.2	646,404	81.2	0	0.0	330	6.5	23	13.1	16,690	59.8
24-Jul	2,978	82.9	655,498	82.4	0	0.0	339	6.7	26	15.2	17,437	62.5
25-Jul	3,053	85.0	663,704	83.4	0	0.0	394	7.8	29	16.5	17,974	64.4
26-Jul	3,110	86.6	669,240	84.1	0	0.0	436	8.6	34	19.3	18,546	66.4
27-Jul	3,156	87.8	677,361	85.1	0	0.0	485	9.6	38	22.0	19,125	68.5
28-Jul	3,193	88.9	684,740	86.1	0	0.0	504	10.0	41	23.4	19,626	70.3
29-Jul	3,258	90.7	690,945	86.8	0	0.0	543	10.7	43	24.8	20,412	73.1
30-Jul	3,290	91.6	696,008	87.5	1	0.0	580	11.5	50	28.7	20,726	74.3
31-Jul	3,323	92.5	700,616	88.1	1	0.0	615	12.2	50	28.7	21,212	76.0
1-Aug	3,346	93.1	703,230	88.4	1	0.0	652	12.9	51	29.4	21,467	76.9
2-Aug	3,373	93.9	706,668	88.8	2	0.0	702	13.9	51	29.4	21,696	77.7
3-Aug	3,391	94.4	710,822	89.3	2	0.0	777	15.4	54	30.8	21,965	78.7
4-Aug	3,411	94.9	713,605	89.7	2	0.0	824	16.3	56	32.1	22,118	79.2
5-Aug	3,427	95.4	715,807	90.0	2	0.0	917	18.1	57	32.8	22,307	79.9
6-Aug	3,445	95.9	717,951	90.2	3	0.0	1,006	19.9	58	33.5	22,449	80.4
7-Aug	3,467	96.5	721,335	90.7	13	0.1	1,117	22.1	78	44.9	22,605	81.0
8-Aug	3,483	96.9	725,882	91.2	14	0.1	1,266	25.0	78	44.9	22,807	81.7
9-Aug	3,506	97.6	730,404	91.8	20	0.1	1,402	27.7	79	45.6	23,082	82.7
10-Aug	3,519	97.9	733,374	92.2	24	0.1	1,470	29.1	79	45.6	23,194	83.1
11-Aug	3,537	98.4	735,285	92.4	24	0.1	1,524	30.1	79	45.6	23,248	83.3
12-Aug	3,545	98.7	737,046	92.6	24	0.1	1,638	32.4	83	47.6	23,412	83.9
13-Aug	3,556	99.0	738,799	92.9	30	0.1	1,759	34.8	84	48.3	23,736	85.0
14-Aug	3,560	99.1	741,003	93.1	44	0.2	1,871	37.0	85	49.0	23,903	85.6
15-Aug	3,567	99.3	743,926	93.5	65	0.3	2,009	39.7	89	51.1	24,063	86.2
16-Aug	3,577	99.6	746,476	93.8	88	0.4	2,180	43.1	90	51.8	24,217	86.8
17-Aug	3,580	99.6	748,854	94.1	132	0.6	2,419	47.8	94	53.8	24,390	87.4
18-Aug	3,585	99.8	751,035	94.4	162	0.7	2,616	51.7	97	55.9	24,482	87.7
19-Aug	3,588	99.8	752,722	94.6	203	0.9	2,843	56.2	99	56.6	24,659	88.3
20-Aug	3,590	99.9	754,351	94.8	253	1.1	3,027	59.9	107	61.4	24,940	89.4
21-Aug	3,592	100.0	755,964	95.0	337	1.4	3,217	63.6	108	62.1	25,188	90.2

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Day	Chinook ^a		Sockeye ^a		Coho ^b		Pink ^b		Chum ^c		Dolly Varden ^d	
	Average	Average %	Average	Average %	Average	Average %	Average	Average %	Average	Average %	Average	Average %
22-Aug	3,592	100.0	757,639	95.2	432	1.8	3,405	67.4	110	62.9	25,552	91.5
23-Aug	3,592	100.0	759,752	95.5	799	3.4	3,624	71.7	116	66.4	26,211	93.9
24-Aug	3,593	100.0	761,975	95.8	1,102	4.7	3,850	76.2	120	69.1	26,505	95.0
25-Aug	3,593	100.0	763,897	96.0	1,457	6.2	4,009	79.3	123	70.5	26,733	95.8
26-Aug	3,593	100.0	765,575	96.2	2,064	8.8	4,164	82.4	126	72.6	26,891	96.3
27-Aug	3,593	100.0	767,257	96.4	2,590	11.1	4,270	84.5	131	75.3	27,053	96.9
28-Aug	3,593	100.0	769,007	96.7	3,050	13.0	4,372	86.5	136	77.8	27,123	97.2
29-Aug	3,593	100.0	770,842	96.9	3,699	15.8	4,492	88.9	136	77.8	27,204	97.5
30-Aug	3,593	100.0	773,223	97.2	5,045	21.5	4,645	91.9	139	79.9	27,346	98.0
31-Aug	3,593	100.0	775,263	97.4	6,349	27.1	4,810	95.1	139	79.9	27,466	98.4
1-Sep	3,593	100.0	776,630	97.6	7,574	32.3	4,891	96.7	144	82.7	27,600	98.9
2-Sep	3,593	100.0	778,254	97.8	8,556	36.5	4,965	98.2	149	85.4	27,704	99.3
3-Sep	3,593	100.0	779,947	98.0	9,334	39.9	5,025	99.4	158	90.9	27,817	99.7
4-Sep	3,593	100.0	781,424	98.2	10,376	44.3	5,056	100.0	174	100.0	27,911	100.0
5-Sep	3,593	100.0	782,997	98.4	12,535	53.5	5,056	100.0	174	100.0	27,911	100.0
6-Sep	3,593	100.0	784,444	98.6	14,617	62.4	5,056	100.0	174	100.0	27,911	100.0
7-Sep	3,593	100.0	785,715	98.8	16,126	68.9	5,056	100.0	174	100.0	27,911	100.0
8-Sep	3,593	100.0	786,671	98.9	17,070	72.9	5,056	100.0	174	100.0	27,911	100.0
9-Sep	3,593	100.0	788,438	99.1	18,293	78.1	5,056	100.0	174	100.0	27,911	100.0
10-Sep	3,593	100.0	790,102	99.3	19,387	82.8	5,056	100.0	174	100.0	27,911	100.0
11-Sep	3,593	100.0	791,105	99.4	20,029	85.5	5,056	100.0	174	100.0	27,911	100.0
12-Sep	3,593	100.0	791,766	99.5	20,836	89.0	5,056	100.0	174	100.0	27,911	100.0
13-Sep	3,593	100.0	792,414	99.6	21,614	92.3	5,056	100.0	174	100.0	27,911	100.0
14-Sep	3,593	100.0	793,053	99.7	22,452	95.9	5,056	100.0	174	100.0	27,911	100.0
15-Sep	3,593	100.0	793,897	99.8	23,014	98.3	5,056	100.0	174	100.0	27,911	100.0
16-Sep	3,593	100.0	794,403	99.9	23,227	99.2	5,056	100.0	174	100.0	27,911	100.0
17-Sep	3,593	100.0	794,834	99.9	23,416	100.0	5,056	100.0	174	100.0	27,911	100.0
18-Sep	3,593	100.0	795,000	99.9	23,416	100.0	5,056	100.0	174	100.0	27,911	100.0
19-Sep	3,593	100.0	795,085	99.9	23,416	100.0	5,056	100.0	174	100.0	27,911	100.0
20-Sep	3,593	100.0	795,129	99.9	23,416	100.0	5,056	100.0	174	100.0	27,911	100.0

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Appendix A.9. (page 5 of 5)

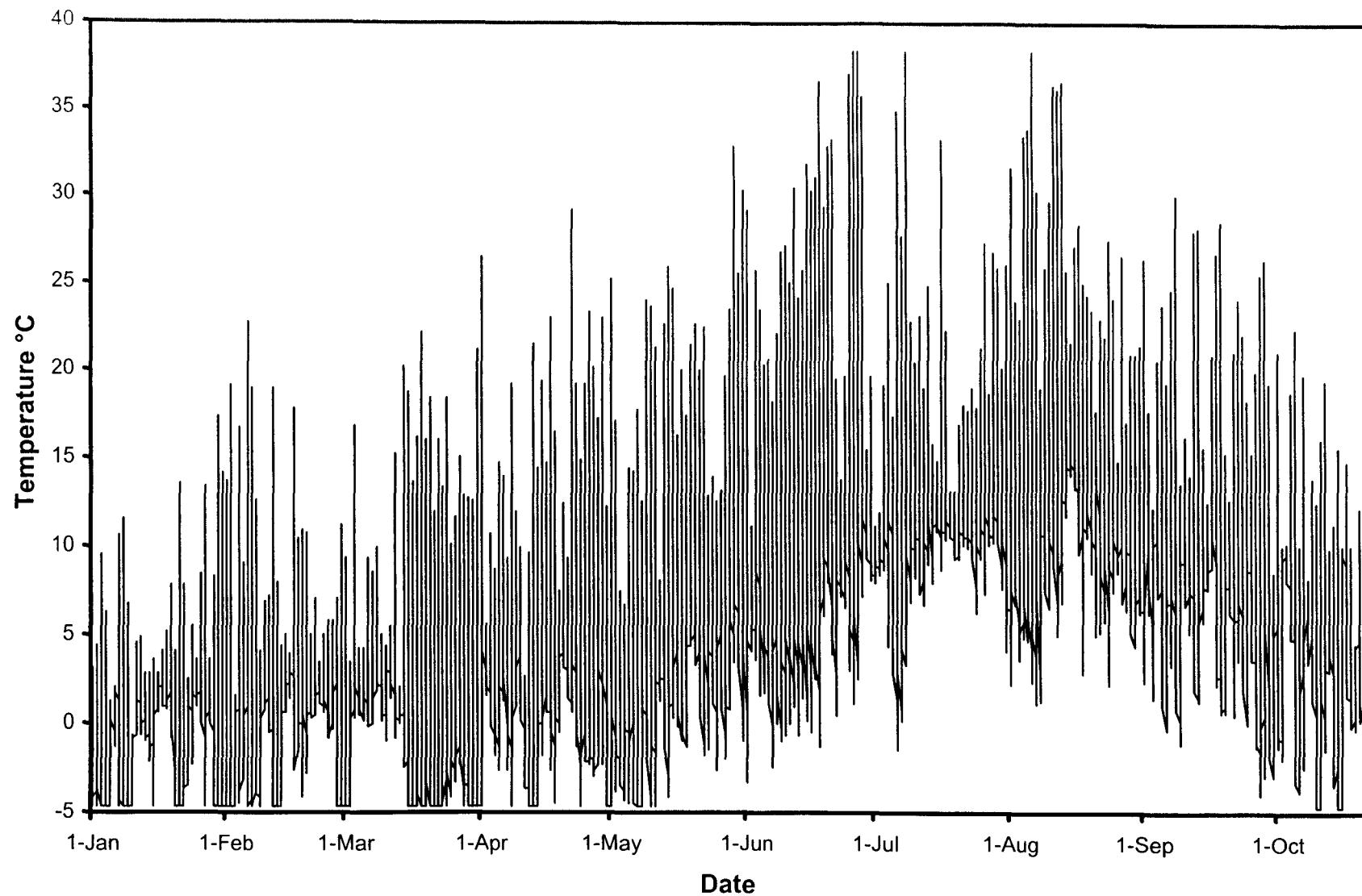
Day	Chinook ^a		Sockeye ^a		Coho ^b		Pink ^b		Chum ^c		Dolly Varden ^d	
	Average	Average %	Average	Average %	Average	Average %	Average	Average %	Average	Average %	Average	Average %
21-Sep	3,593	100.0	795,173	99.9	23,416	100.0	5,056	100.0	174	100.0	27,911	100.0
22-Sep	3,593	100.0	795,213	100.0	23,416	100.0	5,056	100.0	174	100.0	27,911	100.0
23-Sep	3,593	100.0	795,243	100.0	23,416	100.0	5,056	100.0	174	100.0	27,911	100.0
24-Sep	3,593	100.0	795,273	100.0	23,416	100.0	5,056	100.0	174	100.0	27,911	100.0
25-Sep	3,593	100.0	795,287	100.0	23,416	100.0	5,056	100.0	174	100.0	27,911	100.0
26-Sep	3,593	100.0	795,343	100.0	23,416	100.0	5,056	100.0	174	100.0	27,911	100.0
27-Sep	3,593	100.0	795,407	100.0	23,416	100.0	5,056	100.0	174	100.0	27,911	100.0
28-Sep	3,593	100.0	795,443	100.0	23,416	100.0	5,056	100.0	174	100.0	27,911	100.0
29-Sep	3,593	100.0	795,469	100.0	23,416	100.0	5,056	100.0	174	100.0	27,911	100.0
30-Sep	3,593	100.0	795,488	100.0	23,416	100.0	5,056	100.0	174	100.0	27,911	100.0
1-Oct	3,593	100.0	795,538	100.0	23,416	100.0	5,056	100.0	174	100.0	27,911	100.0
2-Oct	3,593	100.0	795,563	100.0	23,416	100.0	5,056	100.0	174	100.0	27,911	100.0
3-Oct	3,593	100.0	795,581	100.0	23,416	100.0	5,056	100.0	174	100.0	27,911	100.0
Total	3,593	100.0	795,581	100.0	23,416	100.0	5,056	100.0	174	100.0	27,911	100.0

^a Average value uses the years 1991 - 2000.

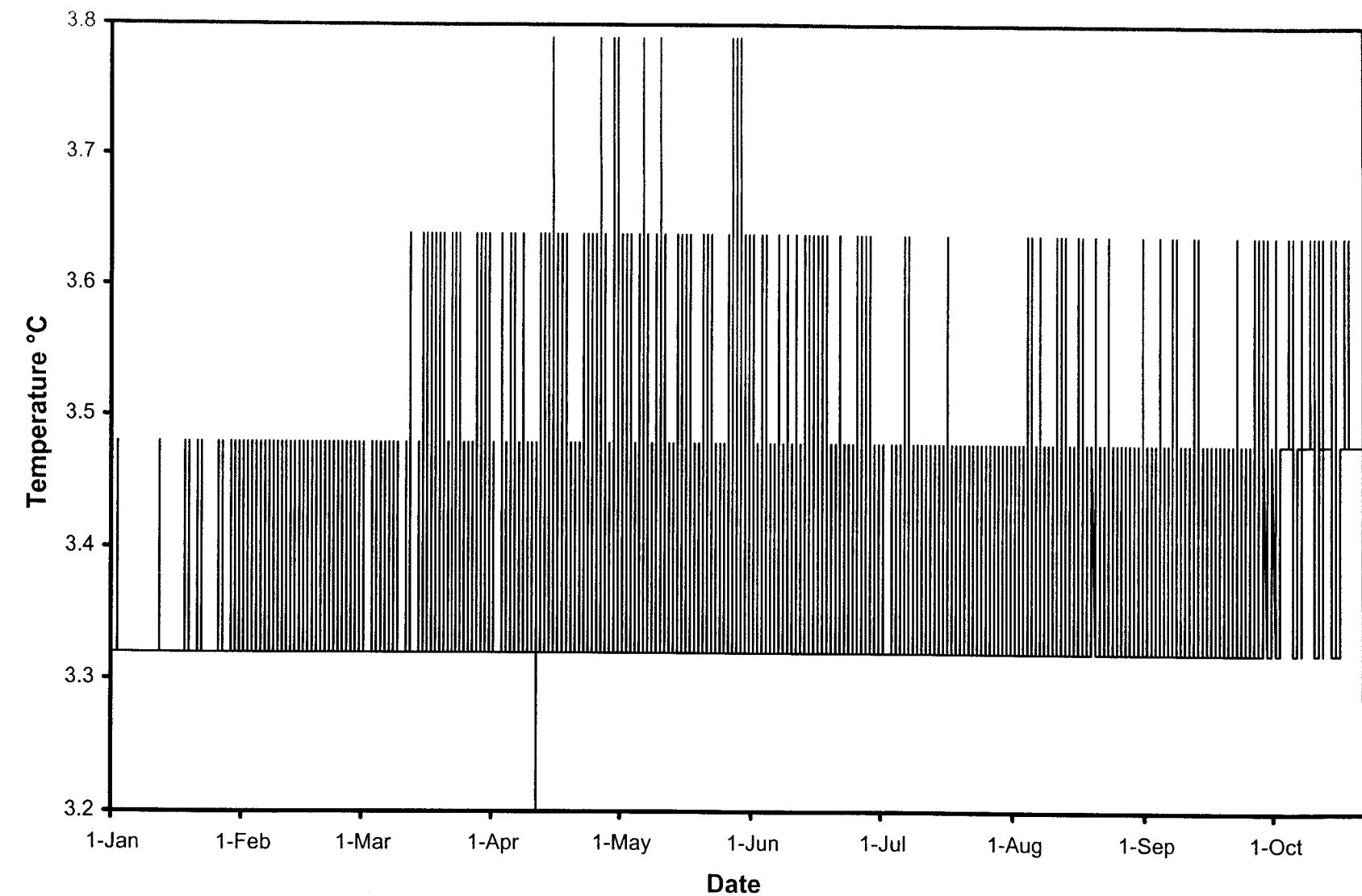
^b Average value uses the years 1995 - 2000.

^c Average value uses the years 1996 - 2000.

^d Average value uses the years 1996 - 1999.



Appendix A.10. Kametolook River, Chignik Area, air temperature (data logger located near incubator box site), 2001.



Appendix A. 11. Kametolook River, Chignik Area, water temperature (data logger located inside incubator box), 2001.

Appendix B.1 Orzinski Lake cumulative escapement counts for chinook salmon by day, 1991-2001.

Day	Year										
	1991 ^a	1992 ^b	1993 ^c	1994 ^d	1995 ^e	1996 ^f	1997 ^g	1998 ^h	1999 ⁱ	2000 ^j	2001 ^h
30-Jun	0	0	0	0	0	0	0	0	0	0	2
1-Jul	0	0	0	0	0	0	0	0	0	0	2
2-Jul	0	0	0	0	0	0	0	0	0	0	2
3-Jul	0	0	0	0	0	0	0	0	0	0	2
4-Jul	0	0	0	0	0	0	0	0	0	0	2
5-Jul	0	0	0	0	0	0	0	0	0	0	2
6-Jul	0	0	0	0	0	0	0	0	0	0	2
7-Jul	0	0	0	0	0	0	0	0	0	0	2
8-Jul	0	0	0	0	0	0	0	0	0	0	2
9-Jul	0	0	0	0	0	0	0	0	0	0	2
10-Jul	0	0	0	0	0	0	0	0	0	0	2
11-Jul	0	0	0	0	0	0	0	0	0	0	2
12-Jul	0	0	0	0	0	0	0	0	0	0	2
13-Jul	0	0	0	0	0	0	0	0	0	0	2
14-Jul	0	0	0	0	0	0	0	0	0	0	2
15-Jul	0	0	0	0	0	0	0	0	0	0	2
16-Jul	0	0	0	0	0	0	0	0	0	0	2
17-Jul	0	0	0	0	0	0	0	0	0	0	2
18-Jul	0	0	0	0	0	0	0	0	1	0	2
19-Jul	0	0	0	0	0	0	0	0	1	0	2
20-Jul	-	0	0	0	0	0	0	0	1	0	2
21-Jul	-	0	0	0	0	0	0	0	1	0	2
22-Jul	-	0	0	0	0	0	0	0	1	0	2
23-Jul	-	0	0	0	0	0	0	0	1	0	2
24-Jul	-	0	0	0	0	0	0	0	1	0	2
25-Jul	-	0	0	0	0	0	0	0	1	0	2
26-Jul	-	0	0	0	0	0	0	0	1	0	2
27-Jul	-	0	0	0	-	0	-	0	2	0	2
28-Jul	-	0	0	0	-	0	-	0	2	0	2

-Continued-

Appendix B.1. (page 2 of 2)

Day	Year										
	1991 ^a	1992 ^b	1993 ^c	1994 ^d	1995 ^e	1996 ^f	1997 ^g	1998 ^h	1999 ⁱ	2000 ^j	2001 ^h
29-Jul	-	0	0	-	-	-	-	0	2	0	2
30-Jul	-	-	0	-	-	-	-	0	2	0	2
31-Jul	-	-	0	-	-	-	-	0	-	0	2
1-Aug	-	-	0	-	-	-	-	-	-	0	-
2-Aug	-	-	-	-	-	-	-	-	-	0	-
3-Aug	-	-	-	-	-	-	-	-	-	0	-
Total	0	0	0	0	0	0	0	0	2	0	2

^a Weir was removed on 20 July.

^b Weir was removed on 30 July.

^c Weir was removed on 2 August.

^d Weir was removed on 28 July.

^e Weir was removed on 24 July.

^f Weir was removed on 28 July.

^g Weir was removed on 26 July.

^h Weir was removed on 1 August.

ⁱ Weir was removed on 31 July.

^j Weir was removed on 3 August.

Appendix B.2. Orzinski Lake cumulative escapement counts for sockeye salmon by day, 1991-2001.

Day	Year										
	1991 ^a	1992 ^b	1993 ^c	1994 ^d	1995 ^e	1996 ^f	1997 ^g	1998 ^h	1999 ⁱ	2000 ^j	2001 ^k
9-Jun	0	0	0	0	0	0	0	0	0	0	0
10-Jun	0	0	0	0	0	0	0	0	0	0	1
11-Jun	0	0	0	0	0	0	0	0	0	0	1
12-Jun	0	0	0	0	0	3	0	0	0	0	1
13-Jun	0	0	0	0	0	3	0	0	0	0	1
14-Jun	0	0	0	0	0	4	0	0	0	0	1
15-Jun	0	0	0	0	0	12	0	0	0	1	19
16-Jun	0	0	0	0	3	12	12	0	2	5	37
17-Jun	0	0	0	0	3	12	29	0	2	49	59
18-Jun	0	0	1	8	6	12	29	11	5	93	112
19-Jun	1	0	1	12	17	12	37	11	7	115	134
20-Jun	2	0	1	12	45	14	37	25	12	155	200
21-Jun	4	0	1	30	73	17	57	33	22	185	205
22-Jun	5	0	1	30	184	17	74	33	32	188	1,097
23-Jun	19	0	367	64	247	37	202	47	37	190	1,299
24-Jun	19	0	372	75	264	37	210	90	46	419	1,299
25-Jun	21	205	407	322	269	168	210	90	82	864	1,299
26-Jun	37	206	881	353	278	761	218	195	116	869	1,299
27-Jun	385	501	1,355	499	310	1,342	234	1,015	202	938	2,489
28-Jun	388	1,756	1,539	509	905	1,560	1,111	1,250	223	2,088	2,714
29-Jun	2,227	1,765	1,755	516	970	1,738	1,181	1,272	266	2,889	2,714
30-Jun	2,865	1,821	1,755	516	1,002	2,366	1,267	1,449	267	2,899	6,889
1-Jul	3,932	2,062	4,664	785	1,026	5,351	1,300	2,035	543	9,387	7,580
2-Jul	4,299	2,747	6,044	811	1,056	6,371	1,359	4,416	547	10,350	8,302
3-Jul	5,379	2,747	7,438	864	1,057	9,620	3,097	4,680	612	10,541	9,914
4-Jul	15,231	4,899	8,124	881	2,271	12,785	6,147	4,738	806	10,702	9,960
5-Jul	18,059	10,184	8,124	888	2,381	13,067	6,157	4,817	1,058	11,104	9,960
6-Jul	19,904	10,659	8,124	996	7,170	13,492	11,365	4,879	1,092	11,579	10,369
7-Jul	20,852	10,860	8,219	1,213	7,298	13,697	13,869	5,070	1,204	12,171	10,830
8-Jul	21,232	11,349	8,219	1,544	7,330	13,953	14,115	5,070	1,227	12,831	12,214

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Appendix B.2. (page 2 of 3)

Day	Year										
	1991 ^a	1992 ^b	1993 ^c	1994 ^d	1995 ^e	1996 ^f	1997 ^g	1998 ^h	1999 ⁱ	2000 ^j	2001 ^k
9-Jul	22,507	11,623	8,657	7,747	12,612	14,570	14,493	6,205	2,516	13,215	14,677
10-Jul	23,866	11,850	8,657	10,229	14,048	15,207	14,798	7,297	2,605	13,310	14,898
11-Jul	25,377	12,012	9,160	13,454	15,740	16,374	14,855	7,304	3,715	13,428	15,150
12-Jul	28,188	12,488	9,165	13,784	18,682	16,568	14,954	9,706	4,561	13,448	15,584
13-Jul	30,263	12,881	10,999	14,278	19,195	16,783	15,089	10,141	5,850	13,602	15,689
14-Jul	30,724	13,367	11,285	15,181	19,296	17,116	15,125	11,387	6,690	13,707	16,581
15-Jul	31,510	14,188	11,483	17,596	19,908	17,247	16,333	11,844	7,246	14,405	18,330
16-Jul	31,968	14,301	11,608	20,391	20,552	17,590	17,297	12,520	7,580	14,897	19,146
17-Jul	33,153	14,631	11,884	22,724	21,760	18,450	17,645	12,617	7,947	14,903	19,741
18-Jul	34,281	15,537	14,242	23,752	21,764	19,170	19,094	12,622	8,761	15,601	21,005
19-Jul	34,500	15,849	15,466	25,663	22,029	19,859	20,345	13,568	8,790	15,811	21,337
20-Jul	35,000	16,497	16,299	27,342	22,254	21,696	21,397	14,050	8,965	15,845	21,442
21-Jul	35,500	17,402	17,326	28,840	22,447	22,207	23,138	14,287	9,088	15,848	21,556
22-Jul	36,000	17,843	17,642	29,392	22,800	22,302	24,413	15,046	9,254	16,149	21,872
23-Jul	36,500	18,405	17,740	30,704	23,639	22,379	24,745	15,948	9,501	16,791	22,163
24-Jul	37,000	18,869	18,546	31,755	23,823	22,691	24,754	17,115	10,072	16,939	22,239
25-Jul	37,500	19,195	19,777	31,755	23,907	22,996	24,798	17,834	10,518	17,026	22,749
26-Jul	38,000	19,516	19,777	33,601	24,500	23,020	24,938	18,378	10,961	17,085	23,275
27-Jul	38,500	19,737	19,830	34,027	25,000	23,231	25,500	18,878	11,617	18,086	24,991
28-Jul	39,000	19,884	20,101	34,540	25,500	23,744	26,000	19,548	11,719	18,132	25,923
29-Jul	39,500	20,242	20,834	35,000	26,000	24,500	26,500	20,780	12,203	18,177	26,147
30-Jul	40,000	20,542	20,977	35,500	26,500	25,000	27,000	21,172	12,579	18,260	26,460
31-Jul	40,000	21,000	21,248	36,000	27,000	25,500	27,500	21,194	13,000	18,559	26,982
1-Aug	40,000	21,500	21,841	36,500	27,500	26,000	28,000	21,500	13,500	19,243	27,200
2-Aug	40,000	22,000	22,287	37,000	28,000	26,500	28,500	22,000	14,000	19,365	27,700
3-Aug	40,000	22,500	24,717	37,500	28,500	27,000	29,000	22,500	14,500	19,452	28,200
4-Aug	40,000	23,000	24,717	38,000	29,000	27,500	29,500	23,000	15,000	19,650	28,700
5-Aug	40,000	23,500	24,717	38,000	29,500	28,000	30,000	23,500	15,000	19,900	29,200
6-Aug	40,000	24,000	24,717	38,000	30,000	28,500	30,500	24,000	15,000	20,150	29,700
7-Aug	40,000	24,500	24,717	38,000	30,000	29,000	31,000	24,500	15,000	20,400	30,200

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Appendix B.2. (page 2 of 3)

Day	Year										
	1991 ^a	1992 ^b	1993 ^c	1994 ^d	1995 ^e	1996 ^f	1997 ^g	1998 ^h	1999 ⁱ	2000 ^j	2001 ^k
8-Aug	40,000	25,000	24,717	38,000	30,000	29,500	31,500	25,000	15,000	20,650	30,450
9-Aug	40,000	25,000	24,717	38,000	30,000	30,000	32,000	25,000	15,000	20,900	30,700
10-Aug	40,000	25,000	24,717	38,000	30,000	30,000	32,500	25,000	15,000	21,150	30,950
11-Aug	40,000	25,000	24,717	38,000	30,000	30,000	33,000	25,000	15,000	21,400	31,200
12-Aug	40,000	25,000	24,717	38,000	30,000	30,000	33,500	25,000	15,000	21,500	31,200
13-Aug	40,000	25,000	24,717	38,000	30,000	30,000	34,000	25,000	15,000	21,500	31,200
14-Aug	40,000	25,000	24,717	38,000	30,000	30,000	34,500	25,000	15,000	21,500	31,200
15-Aug	40,000	25,000	24,717	38,000	30,000	30,000	35,000	25,000	15,000	21,500	31,200
Total	40,000	25,000	24,717	38,000	30,000	30,000	35,000	25,000	15,000	21,500	31,200

^a Includes postweir estimate of 4,781 salmon, weir was removed on 20 July.

^b Includes postweir estimate of 4,458 salmon, weir was removed on 30 July.

^c Includes postweir estimate of 2,430 salmon, weir was removed on 2 August.

^d Includes postweir estimate of 3,460 salmon, weir was removed on 28 July.

^e Includes postweir estimate of 6,093 salmon, weir was removed on 25 July.

^f Includes postweir estimate of 6,256 salmon, weir was removed on 28 July.

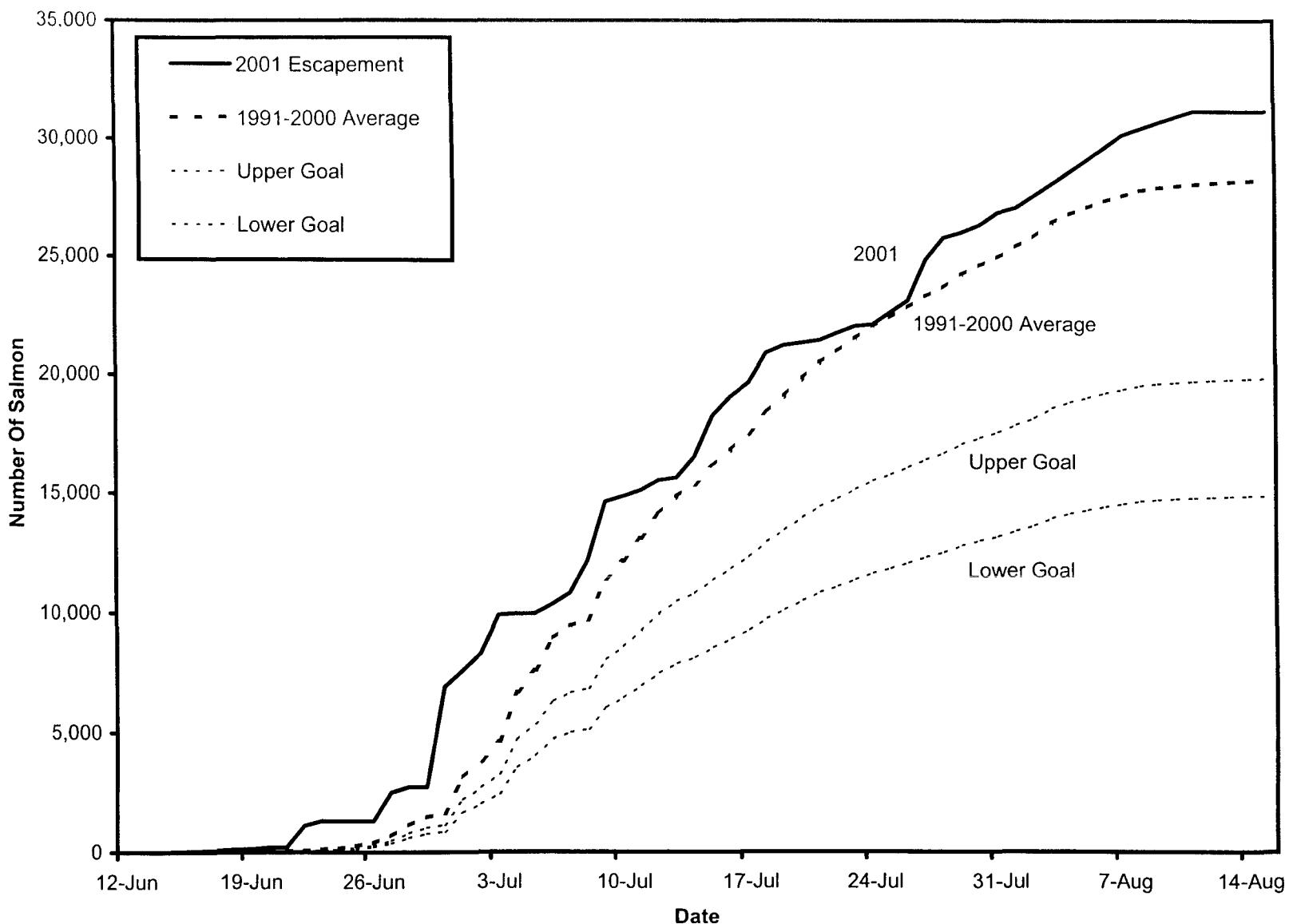
^g Includes postweir estimate of 10,062 salmon, weir was removed on 26 July.

^h Includes postweir estimate of 3,806 salmon, weir was removed on 1 August.

ⁱ Includes postweir estimate of 2,421 salmon, weir was removed on 31 July.

^j Includes postweir estimate of 2,048 salmon, weir was removed on 3 August.

^k Includes postweir estimate of 4,218 salmon, weir was removed on 1 August.



Appendix B.3. Comparison of the Orzinski Lake sockeye escapement goals to the 1991-2000 average escapement and the 2001 escapement.

Appendix B.4. Orzinski Lake cumulative escapement counts for pink salmon by day, 1991-2001.

Day	Year										
	1991 ^a	1992 ^b	1993 ^c	1994 ^d	1995 ^e	1996 ^d	1997 ^f	1998 ^g	1999 ^h	2000 ⁱ	2001 ^g
2-Jul	0	0	0	0	0	0	0	0	0	0	0
3-Jul	0	0	0	0	0	0	0	0	1	0	0
4-Jul	0	0	0	0	0	0	0	0	1	0	0
5-Jul	0	0	0	0	0	0	0	0	1	1	0
6-Jul	0	0	0	0	0	0	0	0	1	1	0
7-Jul	0	1	0	1	0	0	0	0	1	1	0
8-Jul	0	1	0	2	0	0	0	0	1	2	0
9-Jul	0	1	1	3	0	0	0	0	1	2	5
10-Jul	1	1	1	3	0	0	0	0	1	2	5
11-Jul	6	1	1	3	0	0	0	0	1	4	5
12-Jul	8	1	1	3	0	0	0	0	1	4	5
13-Jul	8	1	3	3	0	0	0	0	1	4	5
14-Jul	8	1	4	3	0	0	0	0	1	4	5
15-Jul	9	6	11	3	0	0	0	0	1	11	8
16-Jul	13	7	12	3	0	0	0	0	1	11	11
17-Jul	17	8	12	11	0	0	0	2	1	11	11
18-Jul	18	8	30	14	0	0	1	2	1	11	13
19-Jul	18	19	32	24	6	5	1	6	1	11	13
20-Jul	-	37	32	74	6	10	1	6	1	11	14
21-Jul	-	150	38	97	7	13	2	7	1	11	14
22-Jul	-	172	63	100	13	13	5	33	1	24	16
23-Jul	-	284	67	104	16	13	5	70	1	26	16
24-Jul	-	362	71	108	18	17	6	113	2	27	17
25-Jul	-	476	88	108	-	26	6	126	2	28	21
26-Jul	-	580	91	119	-	27	6	143	5	28	27
27-Jul	-	608	98	126	-	33	-	185	6	179	66
28-Jul	-	622	208	131	-	46	-	249	6	184	112
29-Jul	-	639	211	-	-	-	-	1,056	7	188	114
30-Jul	-	-	224	-	-	-	-	1,518	13	203	141
31-Jul	-	-	325	-	-	-	-	1,529	-	305	158
1-Aug	-	-	352	-	-	-	-	-	-	610	-
2-Aug	-	-	-	-	-	-	-	-	-	659	-
3-Aug	-	-	-	-	-	-	-	-	-	719	-
Total	18	639	352	131	18	46	6	1,529	13	719	158

-Continued-

^a Weir was removed on 20 July.

^b Weir was removed on 30 July.

^c Weir was removed on 2 August.

^d Weir was removed on 28 July.

^e Weir was removed on 24 July.

^f Weir was removed on 26 July.

^g Weir was removed on 1 August.

^h Weir was removed on 31 July.

ⁱ Weir was removed on 3 August.

Appendix B.5. Orzinski Lake cumulative escapement counts for chum salmon by day, 1991-2001.

Day	Year										
	1991 ^a	1992 ^b	1993 ^c	1994 ^d	1995 ^e	1996 ^d	1997 ^f	1998 ^g	1999 ^h	2000 ⁱ	2001 ^g
23-Jun	0	0	0	0	0	0	0	0	0	0	1
24-Jun	0	0	0	0	0	0	0	0	0	0	1
25-Jun	0	0	0	0	0	0	0	0	0	0	1
26-Jun	0	0	0	0	0	0	0	0	0	0	1
27-Jun	0	0	0	0	0	0	0	0	0	0	1
28-Jun	0	0	0	0	0	0	0	0	0	0	1
29-Jun	0	0	0	0	0	0	0	0	0	0	1
30-Jun	0	0	0	0	0	0	0	0	0	0	1
1-Jul	0	0	0	0	0	0	0	0	0	0	1
2-Jul	0	0	0	0	0	0	0	0	0	0	1
3-Jul	0	0	0	0	0	0	0	0	0	0	1
4-Jul	0	0	0	0	0	0	0	0	0	0	1
5-Jul	0	0	0	0	0	0	0	0	0	0	1
6-Jul	0	0	0	0	0	0	0	0	0	0	1
7-Jul	0	0	0	0	0	0	0	0	0	0	1
8-Jul	0	0	0	0	0	0	0	0	0	0	1
9-Jul	0	0	0	0	0	0	0	0	0	0	1
10-Jul	0	0	0	0	0	0	0	0	0	0	1
11-Jul	0	0	0	0	0	0	0	0	0	0	1
12-Jul	0	0	0	0	0	0	0	0	0	0	1
13-Jul	0	0	0	0	0	0	0	0	0	0	1
14-Jul	3	0	0	0	0	0	0	0	0	0	1
15-Jul	4	0	0	0	0	0	0	0	0	0	2
16-Jul	5	0	0	0	0	0	0	0	0	0	3
17-Jul	18	0	0	0	0	0	0	0	0	0	3
18-Jul	18	0	0	0	0	0	1	0	1	0	3
19-Jul	18	0	0	0	0	0	1	0	1	0	3
20-Jul	-	0	0	0	0	0	1	0	1	0	4
21-Jul	-	0	0	0	0	0	1	0	1	0	4
22-Jul	-	0	0	0	0	0	1	0	1	0	4
23-Jul	-	0	0	0	0	0	1	0	1	0	4
24-Jul	-	0	0	0	0	1	1	0	1	0	4
25-Jul	-	0	0	0	0	2	2	0	1	0	4
26-Jul	-	0	0	0	0	2	2	0	1	0	5

-Continued-

Appendix B.5. (page 2 of 2)

Day	Year										
	1991 ^a	1992 ^b	1993 ^c	1994 ^d	1995 ^e	1996 ^d	1997 ^f	1998 ^g	1999 ^h	2000 ⁱ	2001 ^g
27-Jul	-	0	0	0	-	2	-	0	1	0	8
28-Jul	-	0	0	0	-	2	-	0	1	0	8
29-Jul	-	0	0	-	-	-	-	0	1	0	8
30-Jul	-	-	0	-	-	-	-	0	1	0	8
31-Jul	-	-	0	-	-	-	-	0	-	0	10
1-Aug	-	-	0	-	-	-	-	-	-	0	-
2-Aug	-	-	-	-	-	-	-	-	-	0	-
Total	18	0	0	0	0	2	2	0	1	0	10

^a Weir was removed on 20 July.

^b Weir was removed on 30 July.

^c Weir was removed on 2 August.

^d Weir was removed on 28 July.

^e Weir was removed on 24 July.

^f Weir was removed on 26 July.

^g Weir was removed on 1 August.

^h Weir was removed on 31 July.

ⁱ Weir was removed on 3 August.

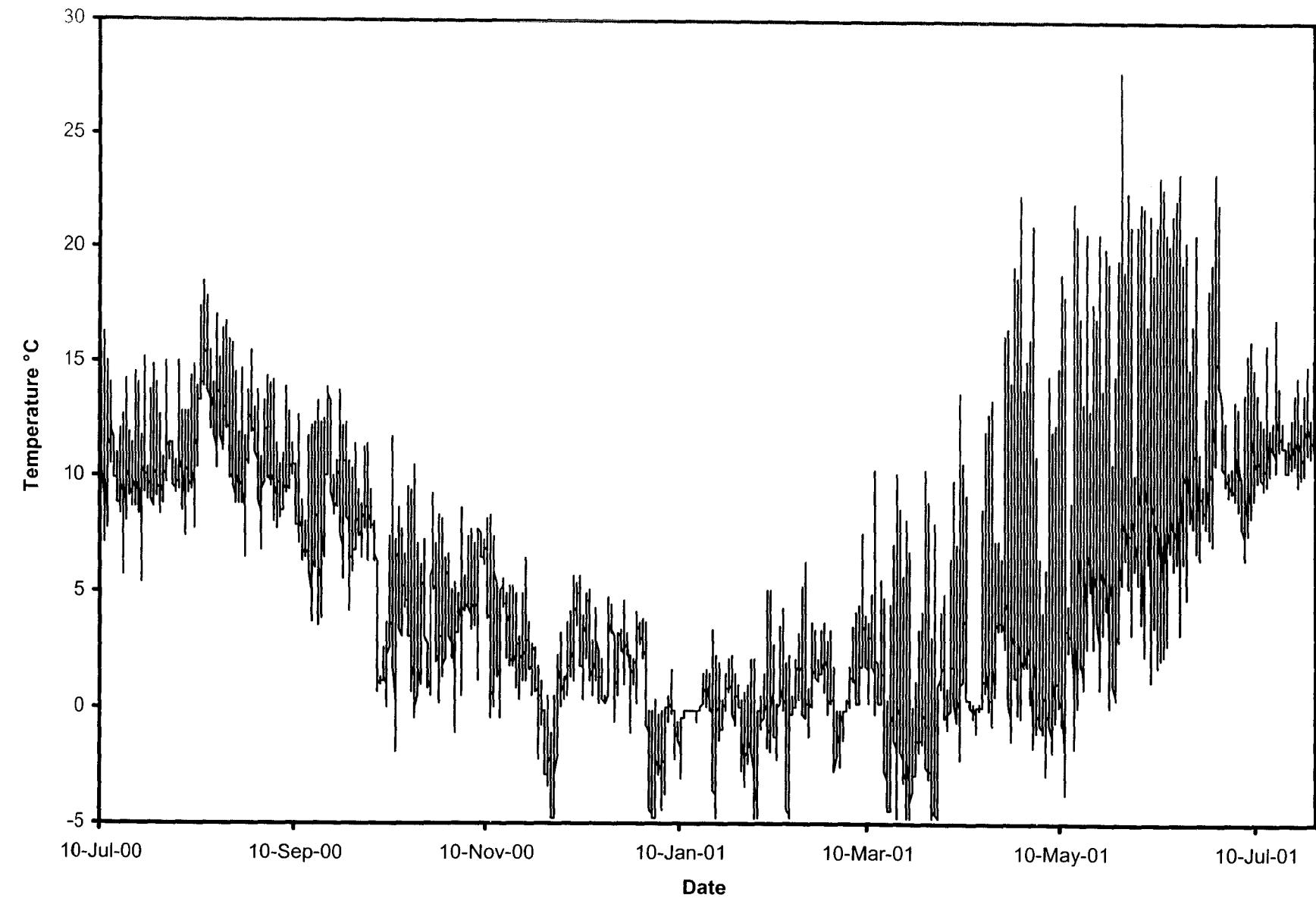
Appendix B. 6. Orzinski Lake average escapement by species by day, 1991-2000.

Day	Chinook		Sockeye		Pink		Chum	
	Average	Average %						
12-Jun	0.0	0.0	0	0.0	0	0.0	0	0.0
13-Jun	0.0	0.0	0	0.0	0	0.0	0	0.0
14-Jun	0.0	0.0	0	0.0	0	0.0	0	0.0
15-Jun	0.0	0.0	1	0.0	0	0.0	0	0.0
16-Jun	0.0	0.0	3	0.0	0	0.0	0	0.0
17-Jun	0.0	0.0	10	0.0	0	0.0	0	0.0
18-Jun	0.0	0.0	17	0.1	0	0.0	0	0.0
19-Jun	0.0	0.0	21	0.1	0	0.0	0	0.0
20-Jun	0.0	0.0	30	0.1	0	0.0	0	0.0
21-Jun	0.0	0.0	42	0.1	0	0.0	0	0.0
22-Jun	0.0	0.0	56	0.2	0	0.0	0	0.0
23-Jun	0.0	0.0	121	0.4	0	0.0	0	0.0
24-Jun	0.0	0.0	153	0.5	0	0.0	0	0.0
25-Jun	0.0	0.0	264	0.9	0	0.0	0	0.0
26-Jun	0.0	0.0	391	1.4	0	0.0	0	0.0
27-Jun	0.0	0.0	678	2.4	0	0.0	0	0.0
28-Jun	0.0	0.0	1,133	4.0	0	0.0	0	0.0
29-Jun	0.0	0.0	1,458	5.1	0	0.0	0	0.0
30-Jun	0.0	0.0	1,621	5.7	0	0.0	0	0.0
1-Jul	0.0	0.0	3,109	10.9	0	0.0	0	0.0
2-Jul	0.0	0.0	3,800	13.4	0	0.0	0	0.0
3-Jul	0.0	0.0	4,604	16.2	0	0.0	0	0.0
4-Jul	0.0	0.0	6,658	23.4	0	0.0	0	0.0
5-Jul	0.0	0.0	7,584	26.7	0	0.1	0	0.0
6-Jul	0.0	0.0	8,926	31.4	0	0.1	0	0.0
7-Jul	0.0	0.0	9,445	33.2	0	0.1	0	0.0
8-Jul	0.0	0.0	9,687	34.1	1	0.2	0	0.0
9-Jul	0.0	0.0	11,415	40.2	1	0.2	0	0.0
10-Jul	0.0	0.0	12,187	42.9	1	0.3	0	0.0
11-Jul	0.0	0.0	13,142	46.2	2	0.5	0	0.0
12-Jul	0.0	0.0	14,154	49.8	2	0.5	0	0.0
13-Jul	0.0	0.0	14,908	52.5	2	0.6	0	0.0
14-Jul	0.0	0.0	15,388	54.1	2	0.6	0	13.0
15-Jul	0.0	0.0	16,176	56.9	4	1.2	0	17.4
16-Jul	0.0	0.0	16,870	59.4	5	1.4	1	21.7
17-Jul	0.0	0.0	17,571	61.8	6	1.8	2	78.3
18-Jul	0.1	50.0	18,482	65.0	9	2.4	2	87.0
19-Jul	0.1	50.0	19,188	67.5	12	3.5	2	87.0
20-Jul	0.1	50.0	19,935	70.1	20	5.6	2	87.0
21-Jul	0.1	50.0	20,608	72.5	34	9.9	2	87.0
22-Jul	0.1	50.0	21,084	74.2	44	12.7	2	87.0
23-Jul	0.1	50.0	21,635	76.1	60	17.4	2	87.0
24-Jul	0.1	50.0	22,156	78.0	74	21.4	2	91.3
25-Jul	0.1	50.0	22,531	79.3	90	25.8	2	100.0
26-Jul	0.1	50.0	22,978	80.8	104	29.8	2	100.0

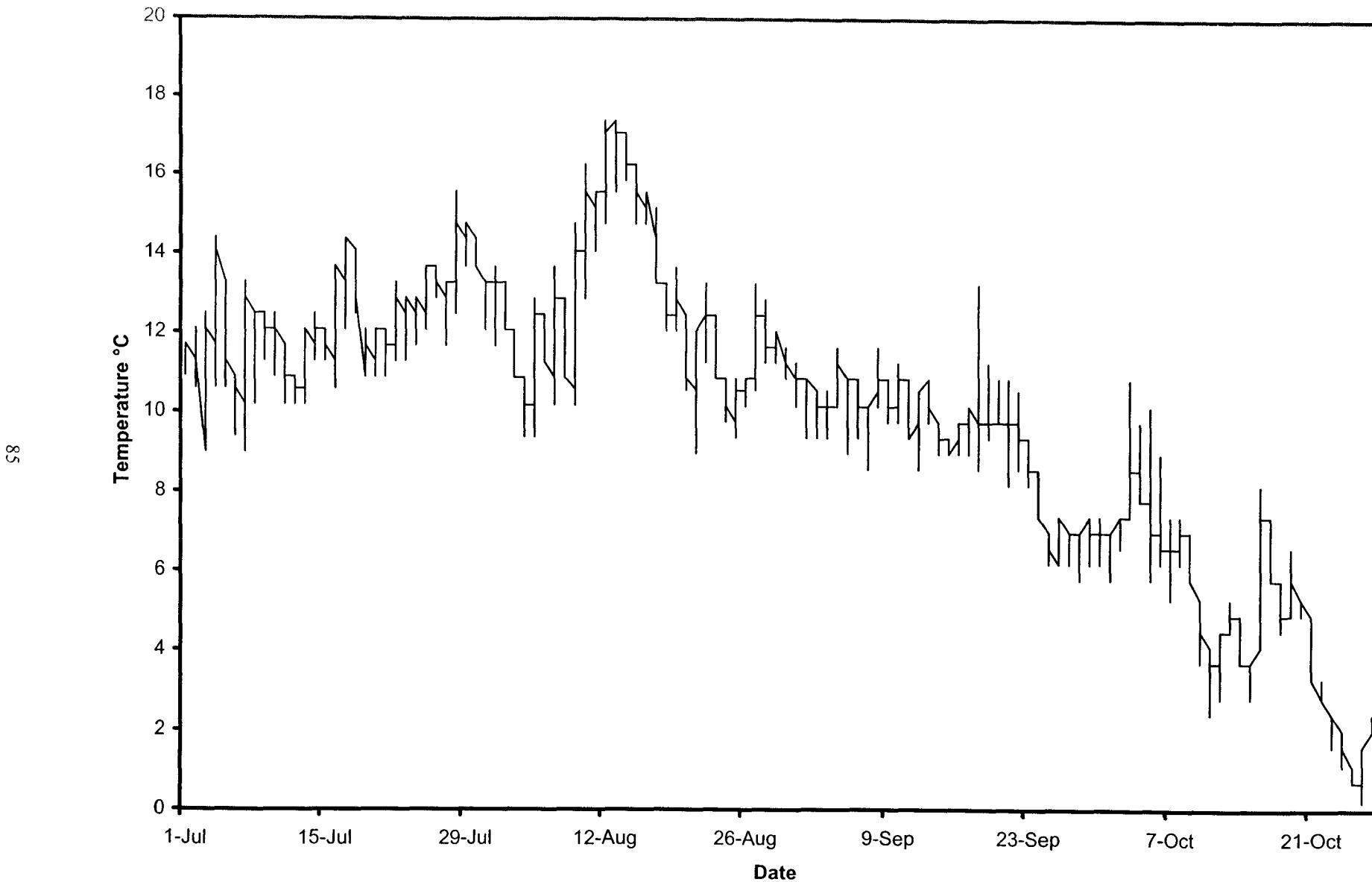
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Appendix B. 6. (page 2 of 2)

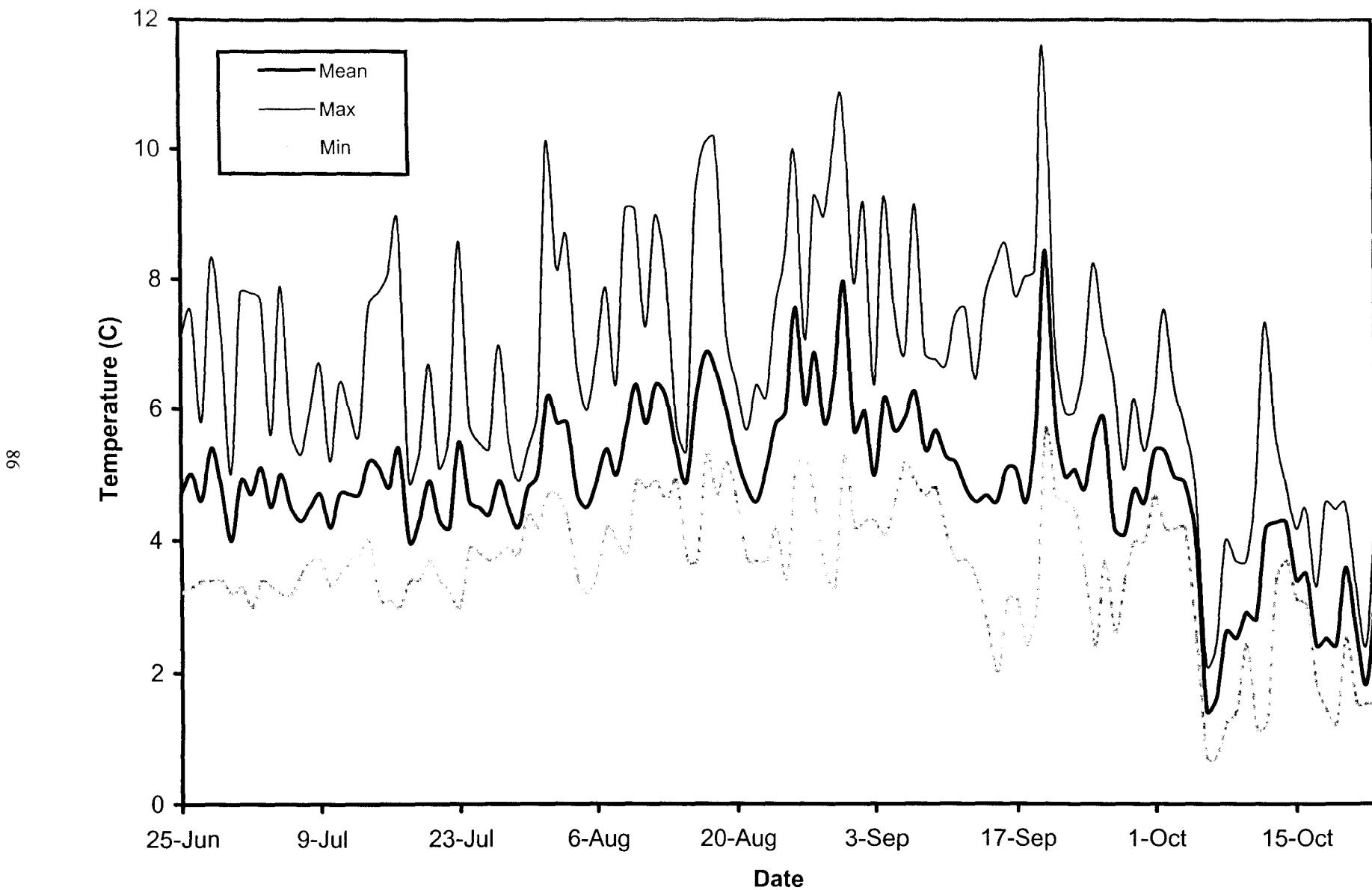
Day	Chinook		Sockeye		Pink		Chum	
	Average	Average %						
27-Jul	0.2	100.0	23,441	82.5	128	36.8	2	100.0
28-Jul	0.2	100.0	23,817	83.8	149	42.9	2	100.0
29-Jul	0.2	100.0	24,374	85.8	232	66.8	2	100.0
30-Jul	0.2	100.0	24,753	87.1	282	81.1	2	100.0
31-Jul	0.2	100.0	25,100	88.3	303	87.3	2	100.0
1-Aug	0.2	100.0	25,558	89.9	336	96.9	2	100.0
2-Aug	0.2	100.0	25,965	91.4	341	98.3	2	100.0
3-Aug	0.2	100.0	26,567	93.5	347	100.0	2	100.0
4-Aug	0.2	100.0	26,937	94.8	347	100.0	2	100.0
5-Aug	0.2	100.0	27,212	95.7	347	100.0	2	100.0
6-Aug	0.2	100.0	27,487	96.7	347	100.0	2	100.0
7-Aug	0.2	100.0	27,712	97.5	347	100.0	2	100.0
8-Aug	0.2	100.0	27,937	98.3	347	100.0	2	100.0
9-Aug	0.2	100.0	28,062	98.7	347	100.0	5	100.0
10-Aug	0.2	100.0	28,137	99.0	347	100.0	5	100.0
11-Aug	0.2	100.0	28,212	99.3	347	100.0	5	100.0
12-Aug	0.2	100.0	28,272	99.5	347	100.0	5	100.0
13-Aug	0.2	100.0	28,322	99.6	347	100.0	5	100.0
14-Aug	0.2	100.0	28,372	99.8	347	100.0	5	100.0
15-Aug	0.2	100.0	28,422	100.0	347	100.0	5	100.0
Total	0.2	100.0	28,422	100.0	347	100.0	5	100.0



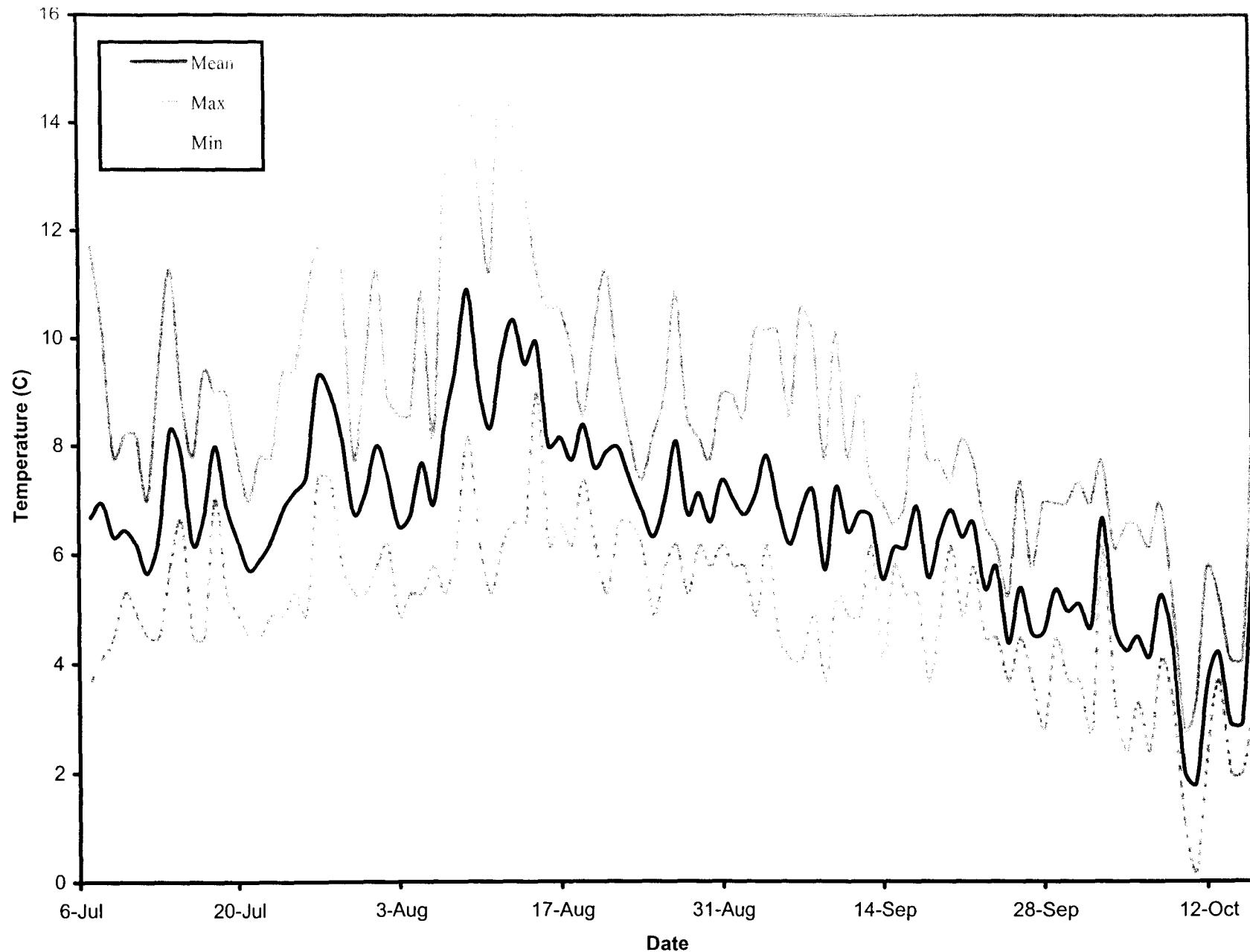
Appendix B.7. Orzinski Lake air temperature (data logger located in shade near ADFG cabin), 2000-2001.



Appendix C.1. Mortensens Lagoon water temperature, 2001.



Appendix D.1. Frosty Creek water temperatures, 2000.



Appendix D.2. Frost Creek water temperatures, 2001.

Appendix E.1. Nelson River cumulative escapement counts for chinook salmon by day, 1991-2001.

Day	Year										
	1991 ^a	1992 ^b	1993 ^c	1994 ^c	1995 ^d	1996 ^e	1997 ^f	1998 ^g	1999 ^h	2000 ⁱ	2001 ^j
June 1-6	0	0	0	0	0	0	0	0	0	0	0
7-Jun	0	0	0	0	0	0	0	0	0	0	1
8-Jun	0	0	0	0	0	0	0	0	0	0	2
9-Jun	0	0	0	0	0	0	0	0	0	0	10
10-Jun	0	0	0	0	0	0	0	0	0	0	11
11-Jun	1	0	0	0	0	0	0	0	0	0	15
12-Jun	1	0	0	0	0	0	0	0	0	0	22
13-Jun	1	0	0	0	0	0	0	1	1	0	28
14-Jun	1	0	0	0	0	0	0	1	6	0	66
15-Jun	1	0	0	15	11	0	0	1	20	0	88
16-Jun	1	0	0	36	52	0	0	1	41	0	120
17-Jun	1	0	0	100	81	20	0	1	63	0	125
18-Jun	1	0	0	114	81	21	0	1	102	0	184
19-Jun	1	0	0	161	128	22	0	1	123	0	257
20-Jun	1	18	1	166	134	24	0	1	141	0	364
21-Jun	2	42	2	212	140	24	2	1	142	0	535
22-Jun	2	93	6	237	141	26	4	1	180	0	681
23-Jun	68	111	6	250	141	218	65	1	246	0	918
24-Jun	74	146	8	334	201	357	110	1	298	0	1,224
25-Jun	74	172	8	396	368	476	154	1	340	0	1,513
26-Jun	74	204	14	628	396	530	188	1	416	180	1,853
27-Jun	74	214	16	817	480	676	197	1	478	436	2,083
28-Jun	76	221	18	892	516	721	206	3	550	586	2,382
29-Jun	81	242	25	925	524	726	243	17	631	763	2,586
30-Jun	87	298	28	973	534	734	329	23	709	944	2,731
1-Jul	93	309	31	996	617	766	375	25	762	1,104	2,945
2-Jul	95	309	35	1,005	618	821	388	26	841	1,270	3,094
3-Jul	95	310	36	1,005	622	829	392	65	1,020	1,411	3,491
4-Jul	98	311	43	1,012	628	855	395	118	1,148	2,005	3,778
5-Jul	99	315	59	1,026	652	858	403	128	1,196	2,216	4,006
6-Jul	99	347	63	1,088	726	863	427	134	1,290	2,335	4,463

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Appendix E.1. (page 2 of 3)

Day	Year										
	1991 ^a	1992 ^b	1993 ^c	1994 ^c	1995 ^d	1996 ^e	1997 ^f	1998 ^g	1999 ^h	2000 ⁱ	2001 ^j
7-Jul	100	357	70	1,169	734	870	433	155	1,342	2,478	4,784
8-Jul	100	362	79	1,210	743	871	449	161	1,459	2,620	4,898
9-Jul	100	367	81	1,229	754	875	458	366	1,514	2,733	4,936
10-Jul	102	370	90	1,236	800	887	479	1,108	1,593	2,869	4,988
11-Jul	106	372	94	1,243	808	893	492	1,880	1,621	3,049	5,001
12-Jul	108	375	103	1,251	824	903	522	2,323	1,775	3,168	5,100
13-Jul	110	409	106	1,259	857	904	547	2,377	1,781	3,340	5,242
14-Jul	113	420	108	1,264	874	904	552	2,383	1,815	3,420	5,312
15-Jul	115	435	114	1,278	882	921	565	2,389	1,949	3,496	5,338
16-Jul	124	451	117	1,283	891	924	625	2,554	2,176	3,541	5,350
17-Jul	126	457	119	1,293	906	931	662	2,589	2,256	3,591	5,358
18-Jul	127	463	123	1,301	914	931	686	2,639	2,283	3,620	5,381
19-Jul	131	486	135	1,323	930	934	844	2,693	2,380	3,635	5,395
20-Jul	134	490	136	1,327	942	976	877	2,725	2,389	3,638	5,416
21-Jul	135	-	169	1,338	956	1,007	903	2,758	2,407	3,643	5,429
22-Jul	156	-	237	1,352	970	1,021	931	2,809	2,427	3,654	5,475
23-Jul	182	-	422	1,362	986	1,039	1,000	2,828	2,431	3,680	5,529
24-Jul	211	-	607	1,372	997	-	1,500	2,896	2,431	3,705	5,543
25-Jul	231	-	-	-	1,010	-	2,000	2,900	2,600	3,730	5,643
26-Jul	258	-	-	-	-	-	2,500	3,000	2,800	3,755	5,743
27-Jul	291	-	-	-	-	-	3,000	3,250	3,000	3,780	5,843
28-Jul	320	-	-	-	-	-	3,500	3,500	3,200	3,789	5,943
29-Jul	341	-	-	-	-	-	4,000	3,750	3,300	-	6,043
30-Jul	473	-	-	-	-	-	5,000	4,000	3,400	-	6,143
31-Jul	517	-	-	-	-	-	6,000	4,250	3,500	-	6,243
1-Aug	551	-	-	-	-	-	6,850	4,450	3,600	-	6,430
Total	551	490	607	1,372	1,010	1,039	6,850	4,450	3,600	3,789	6,430

^a Weir was removed on 2 August.

^b Weir was removed on 20 July.

^c Weir was removed on 24 July.

Appendix E.1. (page 3 of 3)

^d Weir was removed on 25 July.

^e Weir was removed on 23 July.

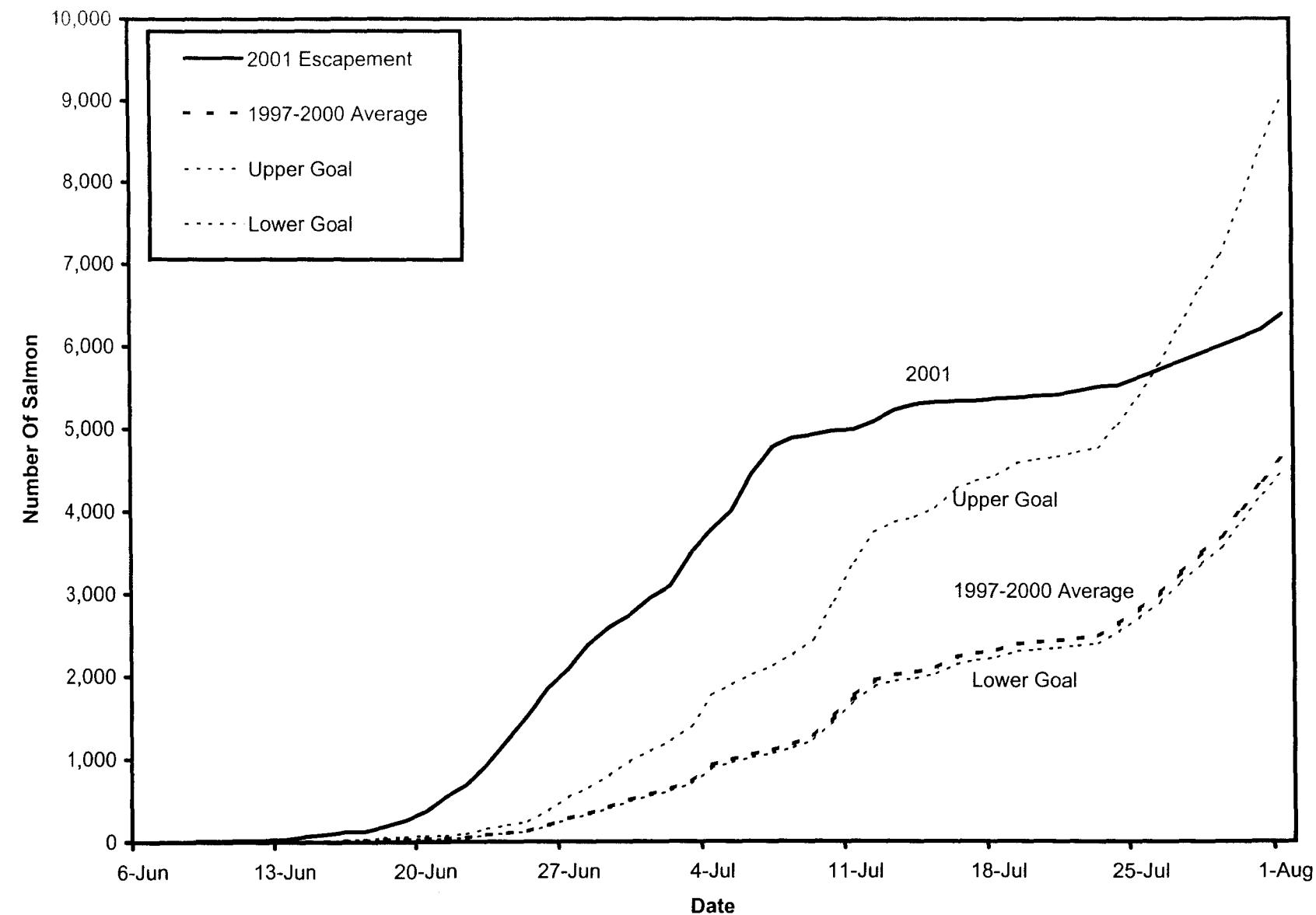
^f Includes a postweir estimate of 5,919 salmon, weir was removed on 23 July.

^g Includes a postweir estimate of 1,550 salmon, weir was removed on 26 July.

^h Includes a postweir estimate of 1,169 salmon, weir was removed on 25 July.

ⁱ Includes a preweir estimate of 135 salmon and a post weir estimate of 135 salmon, the weir was not installed until 26 June and it was removed on 22 July.

^j Includes a post weir estimate of 887 salmon, the weir was removed on 25 July.



Appendix E.2. Comparison of the Nelson River chinook escapement goals to the 1997-2000 average escapement and the 2001 escapement.

Appendix E.3. Nelson River cumulative escapement counts for sockeye salmon by day, 1991-2001.

Day	Year										
	1991 ^a	1992 ^b	1993 ^c	1994 ^d	1995 ^e	1996 ^f	1997 ^g	1998 ^h	1999 ⁱ	2000 ^j	2001 ^k
1-Jun	0	0	0	1	0	0	0	0	0	0	0
2-Jun	0	0	0	1	0	0	0	0	0	0	0
3-Jun	0	0	0	1	0	0	0	0	0	0	0
4-Jun	0	0	0	1	0	0	0	0	0	0	0
5-Jun	0	0	0	1	3	0	0	0	0	0	0
6-Jun	0	0	0	1	3	0	0	0	0	0	0
7-Jun	0	0	0	1	3	0	0	0	0	0	0
8-Jun	0	0	0	1	4	0	0	0	9	10	27
9-Jun	0	0	0	1	4	0	0	0	47	60	127
10-Jun	3	0	0	1	4	0	0	0	152	135	127
11-Jun	5	0	0	1	6	0	0	21	190	235	140
12-Jun	5	0	0	1	219	0	0	27	300	385	263
13-Jun	5	0	0	1	421	2	0	37	361	585	441
14-Jun	5	0	0	1	483	10	0	39	571	1,085	1,512
15-Jun	6	108	0	255	1,358	115	0	40	839	1,835	2,613
16-Jun	6	340	0	1,082	2,031	457	0	96	1,289	2,835	4,883
17-Jun	6	874	0	2,248	2,587	5,997	0	97	1,711	3,835	5,974
18-Jun	6	1,750	0	2,651	2,839	9,041	0	100	2,282	4,835	12,592
19-Jun	99	2,785	0	6,726	5,743	11,530	12	102	2,816	5,835	17,865
20-Jun	99	4,228	1,288	10,764	6,781	12,718	31	103	3,175	6,885	19,007
21-Jun	899	9,166	5,864	19,203	7,383	14,485	134	107	3,562	8,885	23,522
22-Jun	994	14,983	11,472	25,084	8,092	16,328	461	119	6,320	10,885	28,610
23-Jun	9,224	24,417	15,612	27,742	12,083	22,095	16,896	120	8,434	12,885	33,029
24-Jun	12,262	29,441	17,721	34,021	18,454	33,116	23,118	148	10,466	14,885	36,588
25-Jun	15,720	30,280	19,884	39,262	28,839	38,420	26,703	183	12,228	16,885	44,118
26-Jun	17,369	31,552	30,338	43,419	42,010	41,202	29,196	432	15,758	23,791	48,810
27-Jun	19,981	32,060	35,200	50,285	52,560	43,469	30,779	6,131	24,146	38,000	52,939
28-Jun	21,417	34,103	40,795	61,661	58,948	45,725	34,246	11,622	29,477	45,455	56,340
29-Jun	25,049	42,618	48,775	77,552	65,860	47,899	42,261	24,294	35,703	51,447	60,692
30-Jun	28,284	48,606	57,453	92,050	71,886	52,288	61,062	33,463	38,961	57,074	65,985
1-Jul	31,849	51,876	62,470	103,915	78,343	60,920	70,106	37,534	41,206	61,676	77,628

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Appendix E.3. (page 2 of 3)

Day	Year										
	1991 ^a	1992 ^b	1993 ^c	1994 ^d	1995 ^e	1996 ^f	1997 ^g	1998 ^h	1999 ⁱ	2000 ^j	2001 ^k
2-Jul	34,431	53,490	66,351	111,395	83,359	63,239	76,492	42,066	47,075	70,192	95,360
3-Jul	37,883	55,489	71,935	119,041	87,927	67,367	83,812	47,932	63,703	81,471	108,379
4-Jul	46,576	59,301	88,557	128,093	91,160	116,008	88,951	55,348	93,106	87,127	115,962
5-Jul	66,057	66,133	105,533	138,097	101,442	148,551	92,296	65,129	99,992	92,357	121,136
6-Jul	104,669	81,388	119,147	145,086	125,754	163,393	98,545	72,118	106,500	96,672	126,432
7-Jul	127,267	85,290	127,012	150,765	139,485	173,820	108,064	81,031	113,749	104,982	129,801
8-Jul	135,966	90,669	134,823	159,954	152,707	187,074	116,356	85,328	127,182	112,940	134,605
9-Jul	148,486	95,643	140,724	177,413	171,309	195,347	122,722	92,392	137,018	129,624	139,111
10-Jul	156,173	103,469	148,198	189,048	188,641	203,548	128,553	98,998	144,628	148,260	145,041
11-Jul	168,861	114,915	152,099	197,120	205,790	209,042	133,393	106,480	150,145	154,278	148,080
12-Jul	180,041	127,391	156,394	213,782	221,165	215,156	140,145	116,764	159,647	157,195	150,865
13-Jul	184,514	139,057	163,101	227,225	233,794	217,923	145,825	124,417	163,537	159,129	153,588
14-Jul	194,057	142,061	166,859	237,270	240,139	221,491	149,772	128,438	166,152	161,012	156,442
15-Jul	203,309	144,463	170,892	249,918	254,462	224,024	156,144	130,012	172,246	162,958	158,803
16-Jul	209,571	149,495	174,371	261,420	272,883	226,546	164,527	135,838	176,851	165,419	160,247
17-Jul	213,663	151,083	178,190	270,445	286,207	228,461	168,027	137,665	179,672	167,743	162,168
18-Jul	219,278	152,144	181,935	283,661	293,649	230,028	169,875	140,691	181,841	169,752	164,289
19-Jul	224,874	152,803	184,793	291,516	299,196	232,011	172,703	143,423	184,300	171,187	166,251
20-Jul	230,137	153,221	187,089	296,919	304,036	235,183	174,765	145,524	186,794	172,428	167,393
21-Jul	231,487	155,300	189,570	302,646	308,888	237,707	176,957	147,742	189,513	173,274	168,383
22-Jul	236,134	157,300	192,458	307,479	312,155	239,468	179,365	149,523	192,404	174,435	169,988
23-Jul	240,234	159,300	195,875	311,902	315,101	241,608	180,000	150,647	194,416	175,435	171,031
24-Jul	244,325	161,300	198,183	315,892	318,060	243,454	180,500	151,959	195,397	176,435	172,332
25-Jul	246,761	162,300	201,183	319,300	320,750	245,454	181,000	152,779	196,000	177,435	174,332
26-Jul	248,295	162,300	204,183	322,300	329,400	247,454	181,500	153,810	196,500	178,435	176,332
27-Jul	250,033	162,300	207,183	325,300	329,400	249,454	182,000	153,810	197,000	179,435	178,332
28-Jul	251,344	162,300	207,183	325,300	329,400	250,454	182,500	153,810	197,500	180,435	180,332
29-Jul	252,555	162,300	207,183	325,300	329,400	250,454	183,000	153,810	198,000	181,435	182,332
30-Jul	254,305	162,300	207,183	325,300	329,400	250,454	183,000	153,810	198,500	182,435	184,332
31-Jul	255,280	162,300	207,183	325,300	329,400	250,454	183,000	153,810	199,000	182,694	186,332
1-Aug	256,323	162,300	207,183	325,300	329,400	250,454	183,000	153,810	199,500	182,694	188,332

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Appendix E.3. (page 3 of 3)

Day	Year										
	1991 ^a	1992 ^b	1993 ^c	1994 ^d	1995 ^e	1996 ^f	1997 ^g	1998 ^h	1999 ⁱ	2000 ^j	2001 ^k
2-Aug	258,400	162,300	207,183	325,300	329,400	250,454	183,000	153,810	200,000	182,694	190,332
3-Aug	260,400	162,300	207,183	325,300	329,400	250,454	183,000	153,810	200,500	182,694	192,332
4-Aug	262,400	162,300	207,183	325,300	329,400	250,454	183,000	153,810	201,000	182,694	194,332
5-Aug	264,400	162,300	207,183	325,300	329,400	250,454	183,000	153,810	201,500	182,694	196,332
6-Aug	266,400	162,300	207,183	325,300	329,400	250,454	183,000	153,810	202,000	182,694	198,332
7-Aug	268,400	162,300	207,183	325,300	329,400	250,454	183,000	153,810	202,067	182,694	200,332
8-Aug	268,400	162,300	207,183	325,300	329,400	250,454	183,000	153,810	202,067	182,694	201,962
9-Aug	268,400	162,300	207,183	325,300	329,400	250,454	183,000	153,810	202,067	182,694	201,962
10-Aug	268,400	162,300	207,183	325,300	329,400	250,454	183,000	153,810	202,067	182,694	201,962
11-Aug	268,400	162,300	207,183	325,300	329,400	250,454	183,000	153,810	202,067	182,694	201,962
12-Aug	268,400	162,300	207,183	325,300	329,400	250,454	183,000	153,810	202,067	182,694	201,962
13-Aug	268,400	162,300	207,183	325,300	329,400	250,454	183,000	153,810	202,067	182,694	201,962
14-Aug	268,400	162,300	207,183	325,300	329,400	250,454	183,000	153,810	202,067	182,694	201,962
15-Aug	268,400	162,300	207,183	325,300	329,400	250,454	183,000	153,810	202,067	182,694	201,962
Total	268,400	162,300	207,183	325,300	329,400	250,454	183,000	153,810	202,067	182,694	201,962

^a 1991 includes postweir estimate of 12,077 salmon, weir was removed on 2 August.

^b 1992 includes postweir estimate of 9,079 salmon, weir was removed on 20 July.

^c 1993 includes postweir estimate of 9,000 salmon, weir was removed on 24 July.

^d 1994 includes postweir estimate of 9,408 salmon, weir was removed on 24 July.

^e 1995 includes pos weir estimate of 8,650 salmon, weir was removed on 25 July.

^f 1996 includes postweir estimate of 8,846 salmon, weir was removed on 23 July.

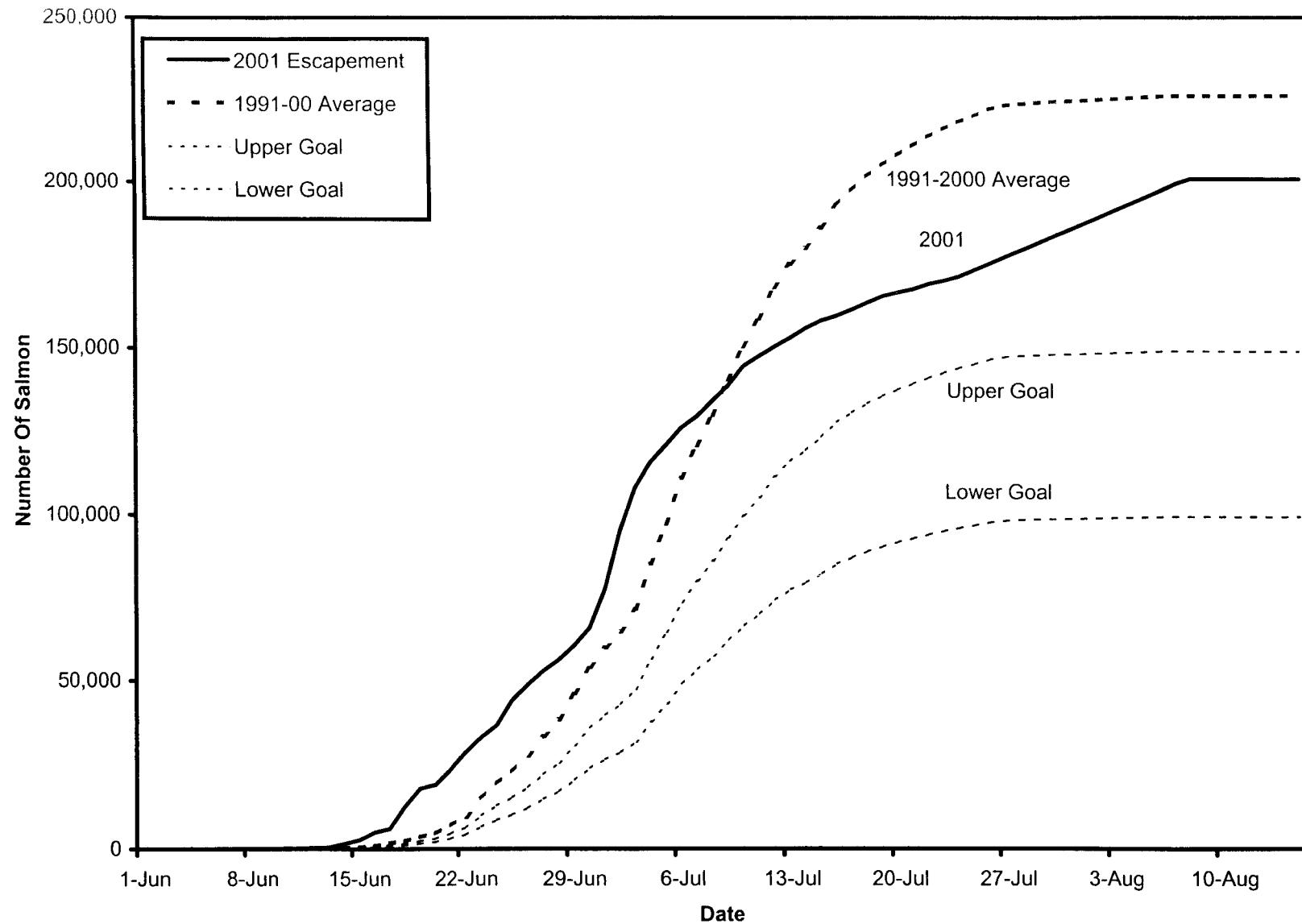
^g 1997 includes postweir estimate of 3,635 salmon, weir was removed on 23 July.

^h 1998 includes postweir estimate of 7,031 salmon, weir was removed on 26 July.

ⁱ 1999 includes postweir estimate of 6,670 salmon, weir was removed on 24 July.

^j 2000 includes a preweir estimate of 16,885 salmon through 25 June and a postweir estimate of 8,259 salmon, weir was removed on 22 July.

^k 2001 includes postweir estimate of 29,630 salmon, weir was removed on 25 July.



Appendix E.4. Comparison of the Nelson River sockeye escapement goals to the 1991-2000 average escapement and the 2001 escapement.

Appendix E.5. Nelson River cumulative escapement counts for pink salmon by day, 1991-2001.

Day	Year										
	1991 ^a	1992 ^b	1993 ^c	1994 ^c	1995 ^d	1996 ^e	1997 ^e	1998 ^f	1999 ^d	2000 ^g	2001 ^d
22-Jun	0	0	0	1	0	1	0	0	0	0	0
23-Jun	0	0	0	1	0	1	0	0	0	0	0
24-Jun	0	0	0	1	0	1	0	0	0	0	0
25-Jun	0	0	0	1	0	1	0	0	0	0	0
26-Jun	0	0	0	3	0	1	0	0	0	0	0
27-Jun	0	0	0	3	0	1	0	0	0	13	0
28-Jun	0	0	0	4	0	2	0	0	0	17	0
29-Jun	0	0	0	7	0	2	0	0	0	21	0
30-Jun	0	0	0	9	0	2	0	0	0	52	0
1-Jul	0	0	0	10	0	3	0	0	0	55	0
2-Jul	1	0	0	10	0	4	0	0	0	96	0
3-Jul	1	0	0	10	0	4	0	2	0	152	0
4-Jul	1	2	0	10	0	14	0	2	0	180	1
5-Jul	1	3	0	11	0	18	0	2	0	220	2
6-Jul	1	6	0	13	0	32	0	3	0	248	5
7-Jul	2	6	0	17	2	37	2	6	0	268	7
8-Jul	2	11	0	18	4	43	6	19	0	294	10
9-Jul	2	12	4	51	8	51	8	62	0	324	13
10-Jul	3	14	5	83	10	64	8	106	0	359	14
11-Jul	7	14	6	107	14	72	8	171	2	402	17
12-Jul	8	24	9	122	19	79	8	466	3	430	27
13-Jul	8	25	13	145	25	81	9	522	4	461	32
14-Jul	9	26	13	160	25	94	9	581	4	499	38
15-Jul	17	26	13	177	31	106	9	593	6	599	39
16-Jul	20	26	19	189	40	115	22	681	13	628	42
17-Jul	22	27	28	200	48	129	24	720	13	648	49
18-Jul	24	28	35	215	57	133	28	743	18	693	63
19-Jul	26	28	45	226	71	137	73	779	18	711	91
20-Jul	33	29	48	238	99	161	87	809	18	751	102
21-Jul	35	-	56	263	117	177	89	869	18	781	110

-Continued-

Appendix E 5 (page 2 of 2)

Day	Year										
	1991 ^a	1992 ^b	1993 ^c	1994 ^c	1995 ^d	1996 ^e	1997 ^e	1998 ^f	1999 ^d	2000 ^g	2001 ^d
22-Jul	46	-	63	288	139	195	89	924	25	822	126
23-Jul	55	-	68	314	150	214	-	962	29	-	156
24-Jul	85	-	73	339	174	-	-	1,020	32	-	224
25-Jul	102	-	-	-	196	-	-	1,034	-	-	-
26-Jul	115	-	-	-	-	-	-	-	-	-	-
27-Jul	166	-	-	-	-	-	-	-	-	-	-
28-Jul	209	-	-	-	-	-	-	-	-	-	-
29-Jul	249	-	-	-	-	-	-	-	-	-	-
30-Jul	284	-	-	-	-	-	-	-	-	-	-
31-Jul	310	-	-	-	-	-	-	-	-	-	-
1-Aug	334	-	-	-	-	-	-	-	-	-	-
2-Aug	-	-	-	-	-	-	-	-	-	-	-
Total	334	29	73	339	196	214	89	1,034	32	822	224

^a 1991, weir was removed on 2 August.

^b 1992, weir was removed on 20 July.

^c 1993 and 1994, weir was removed on 24 July.

^d 1995, 1999, and 2001, weir was removed on 25 July.

^e 1996 and 1997, weir was removed on 23 July.

^f 1998, weir was removed on 26 July.

^g 2000, weir was removed on 22 July.

Appendix E.6. Nelson River cumulative escapement counts for chum salmon by day, 1991-2001.

Day	Year										
	1991 ^a	1992 ^b	1993 ^c	1994 ^c	1995 ^d	1996 ^e	1997 ^f	1998 ^g	1999 ^h	2000 ⁱ	2001 ^j
21-Jun	0	0	0	0	1	1	0	0	0	0	0
22-Jun	0	0	2	0	1	1	0	0	0	0	0
23-Jun	0	0	2	0	1	1	2	0	0	0	0
24-Jun	0	0	2	0	1	1	2	0	0	0	0
25-Jun	0	0	2	0	4	1	2	0	0	0	0
26-Jun	0	0	10	0	4	1	2	0	0	0	0
27-Jun	0	0	10	2	8	1	2	0	0	0	0
28-Jun	0	1	10	2	10	2	2	0	0	0	0
29-Jun	0	1	10	2	10	2	2	0	0	0	0
30-Jun	0	3	10	2	23	3	2	0	3	0	0
1-Jul	0	3	10	3	26	10	2	0	5	0	0
2-Jul	0	5	10	3	26	12	2	0	9	0	0
3-Jul	0	6	11	3	29	12	2	0	14	1	0
4-Jul	0	6	13	5	29	16	2	0	16	2	0
5-Jul	0	8	34	7	31	30	2	0	16	4	0
6-Jul	5	15	40	10	35	32	2	0	16	11	0
7-Jul	9	18	42	13	39	39	2	0	18	28	0
8-Jul	10	22	42	16	41	49	4	0	20	69	0
9-Jul	10	25	44	35	54	60	9	20	23	110	3
10-Jul	11	27	45	46	75	80	9	44	25	253	7
11-Jul	12	30	48	51	105	88	9	59	33	382	10
12-Jul	12	46	71	60	183	171	9	87	89	597	17
13-Jul	14	85	103	74	264	199	9	106	93	1,088	24
14-Jul	17	88	130	79	283	225	9	115	108	1,186	36
15-Jul	18	92	141	85	284	246	9	128	210	1,822	61
16-Jul	46	106	144	96	307	290	14	238	428	2,233	79
17-Jul	50	110	151	113	366	307	21	272	454	2,535	107
18-Jul	51	114	168	176	391	334	38	398	501	3,163	208
19-Jul	54	126	188	201	429	392	123	639	725	3,683	533
20-Jul	62	148	213	243	461	784	134	685	789	4,081	709
21-Jul	63	-	266	273	514	979	136	731	910	4,310	826
22-Jul	99	-	340	310	651	1,082	136	769	1,188	4,510	1,052

-Continued-

Appendix E.6 (page 2 of 2)

Day	Year										
	1991 ^a	1992 ^b	1993 ^c	1994 ^c	1995 ^d	1996 ^e	1997 ^f	1998 ^g	1999 ^h	2000 ⁱ	2001 ^j
23-Jul	121	-	414	347	806	1,508	200	949	1,224	5,000	1,255
24-Jul	199	-	497	382	934	-	300	1,594	1,259	6,000	2,033
25-Jul	234	-	-	-	1,200	-	400	1,634	1,400	7,000	3,033
26-Jul	257	-	-	-	-	-	500	2,000	1,600	8,000	4,033
27-Jul	303	-	-	-	-	-	600	3,000	1,800	9,000	5,033
28-Jul	349	-	-	-	-	-	700	4,000	2,000	10,000	8,033
29-Jul	414	-	-	-	-	-	800	5,000	2,200	11,000	11,033
30-Jul	548	-	-	-	-	-	900	6,000	2,400	12,000	14,033
31-Jul	598	-	-	-	-	-	1,000	7,000	2,600	13,000	17,033
1-Aug	701	-	-	-	-	-	1,100	8,000	2,800	14,000	20,033
2-Aug	-	-	-	-	-	-	-	9,000	3,000	15,000	23,033
3-Aug	-	-	-	-	-	-	-	9,000	3,200	15,000	24,033
4-Aug	-	-	-	-	-	-	-	9,000	3,600	15,000	25,033
5-Aug	-	-	-	-	-	-	-	9,000	4,000	15,000	26,000
Total	701	148	497	382	1,200	1,508	1,100	9,000	4,000	15,000	26,000

^a 1991, weir was removed on 2 August.

^b 1992, weir was removed on 20 July.

^c 1993 and 1994, weir was removed on 24 July.

^d 1995, weir was removed on 25 July.

^e 1996, weir was removed on 23 July.

^f 1997 includes a postweir estimate of 964 salmon, weir was removed on 23 July.

^g 1998 includes a postweir estimate of 7,366 salmon, weir was removed on 26 July.

^h 1999 includes a postweir estimate of 2,741 salmon, weir was removed on 25 July.

ⁱ 2000 includes a postweir estimate of 10,490 salmon, weir was removed on 22 July.

^j 2001 includes a postweir estimate of 23,967 salmon, weir was removed on 25 July.

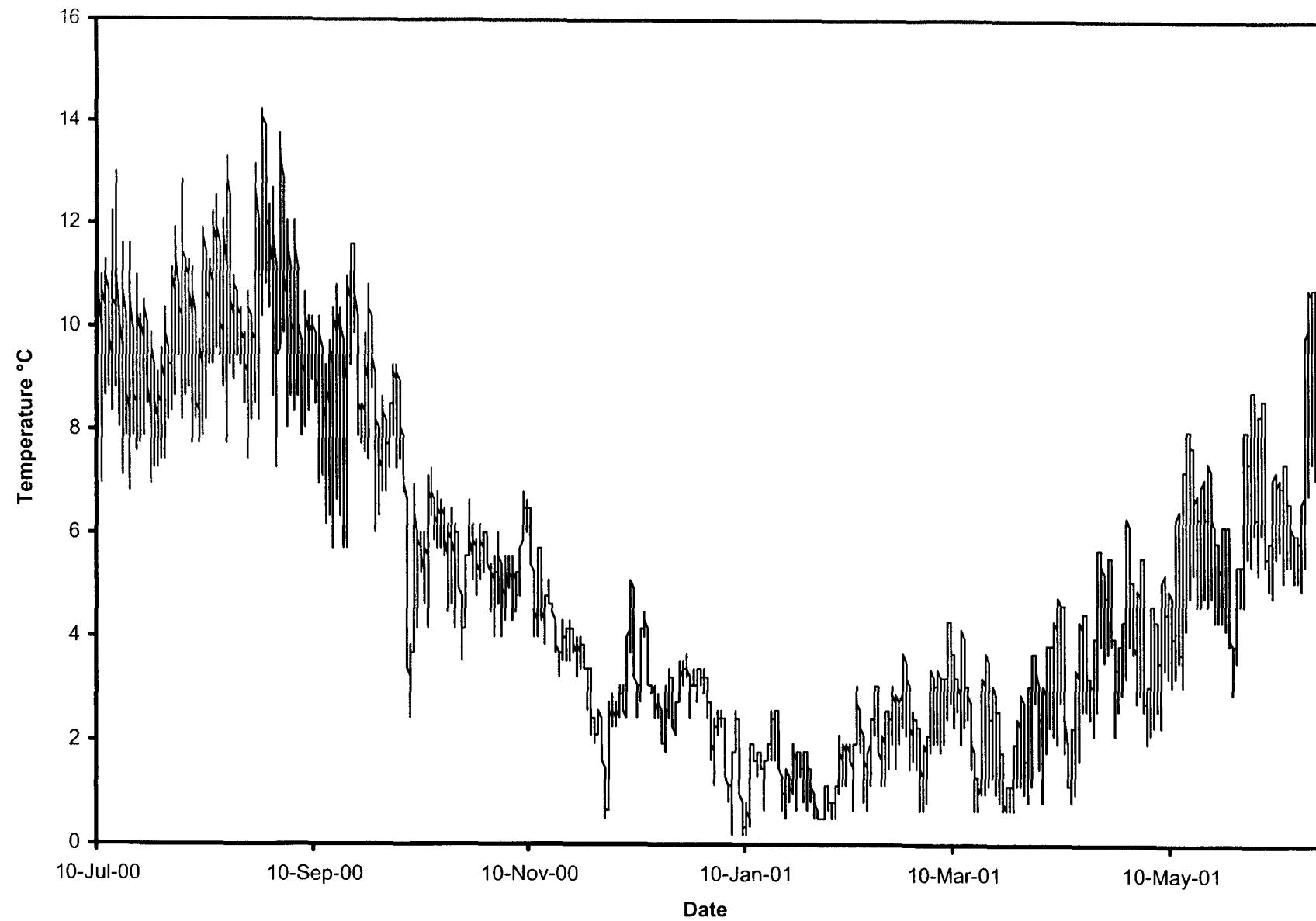
Appendix E.7. Nelson River average escapement by species by day, 1991-2000.

Day	Chinook		Sockeye		Pink		Chum	
	Average	Average %						
1-Jun	0	0.0	0	0.0	0	0.0	0	0.0
2-Jun	0	0.0	0	0.0	0	0.0	0	0.0
3-Jun	0	0.0	0	0.0	0	0.0	0	0.0
4-Jun	0	0.0	0	0.0	0	0.0	0	0.0
5-Jun	0	0.0	0	0.0	0	0.0	0	0.0
6-Jun	0	0.0	0	0.0	0	0.0	0	0.0
7-Jun	0	0.0	0	0.0	0	0.0	0	0.0
8-Jun	0	0.0	2	0.0	0	0.0	0	0.0
9-Jun	0	0.0	11	0.0	0	0.0	0	0.0
10-Jun	0	0.0	30	0.0	0	0.0	0	0.0
11-Jun	0	0.0	46	0.0	0	0.0	0	0.0
12-Jun	0	0.0	94	0.0	0	0.0	0	0.0
13-Jun	1	0.0	141	0.1	0	0.0	0	0.0
14-Jun	2	0.0	219	0.1	0	0.0	0	0.0
15-Jun	5	0.1	456	0.2	0	0.0	0	0.0
16-Jun	11	0.2	814	0.4	0	0.0	0	0.0
17-Jun	16	0.3	1,736	0.8	0	0.0	0	0.0
18-Jun	26	0.6	2,350	1.0	0	0.0	0	0.0
19-Jun	31	0.7	3,565	1.6	0	0.0	0	0.0
20-Jun	36	0.8	4,607	2.0	0	0.0	0	0.0
21-Jun	36	0.8	6,969	3.1	0	0.0	0	0.0
22-Jun	46	1.0	9,474	4.2	0	0.1	0	0.0
23-Jun	78	1.7	14,951	6.6	0	0.1	1	0.0
24-Jun	102	2.2	19,363	8.6	0	0.1	1	0.0
25-Jun	124	2.6	22,840	10.1	0	0.1	1	0.0
26-Jun	196	4.2	27,507	12.1	0	0.1	2	0.1
27-Jun	278	6.0	33,261	14.7	0	0.5	2	0.1
28-Jun	336	7.2	38,345	16.9	1	0.7	3	0.1
29-Jun	414	8.9	46,146	20.4	1	0.9	3	0.1
30-Jun	501	10.7	54,113	23.9	1	2.0	5	0.1
1-Jul	567	12.1	59,990	26.5	2	2.2	6	0.2
2-Jul	631	13.5	64,809	28.6	2	3.5	7	0.2
3-Jul	722	15.5	71,656	31.6	2	5.3	8	0.2
4-Jul	917	19.6	85,423	37.7	4	6.6	9	0.3
5-Jul	986	21.1	97,559	43.1	4	8.1	13	0.4
6-Jul	1,047	22.4	111,327	49.2	6	9.6	17	0.5
7-Jul	1,102	23.6	121,147	53.5	8	10.8	21	0.6
8-Jul	1,172	25.1	130,300	57.5	11	12.6	27	0.8
9-Jul	1,268	27.1	141,068	62.3	21	16.5	39	1.2
10-Jul	1,512	32.4	150,952	66.7	30	20.6	62	1.8
11-Jul	1,761	37.7	159,212	70.3	41	25.4	82	2.4
12-Jul	1,947	41.7	168,768	74.5	75	36.9	133	4.0
13-Jul	2,011	43.0	175,852	77.7	84	40.9	204	6.1
14-Jul	2,043	43.7	180,725	79.8	93	44.9	224	6.7
15-Jul	2,100	44.9	186,843	82.5	99	49.9	304	9.0

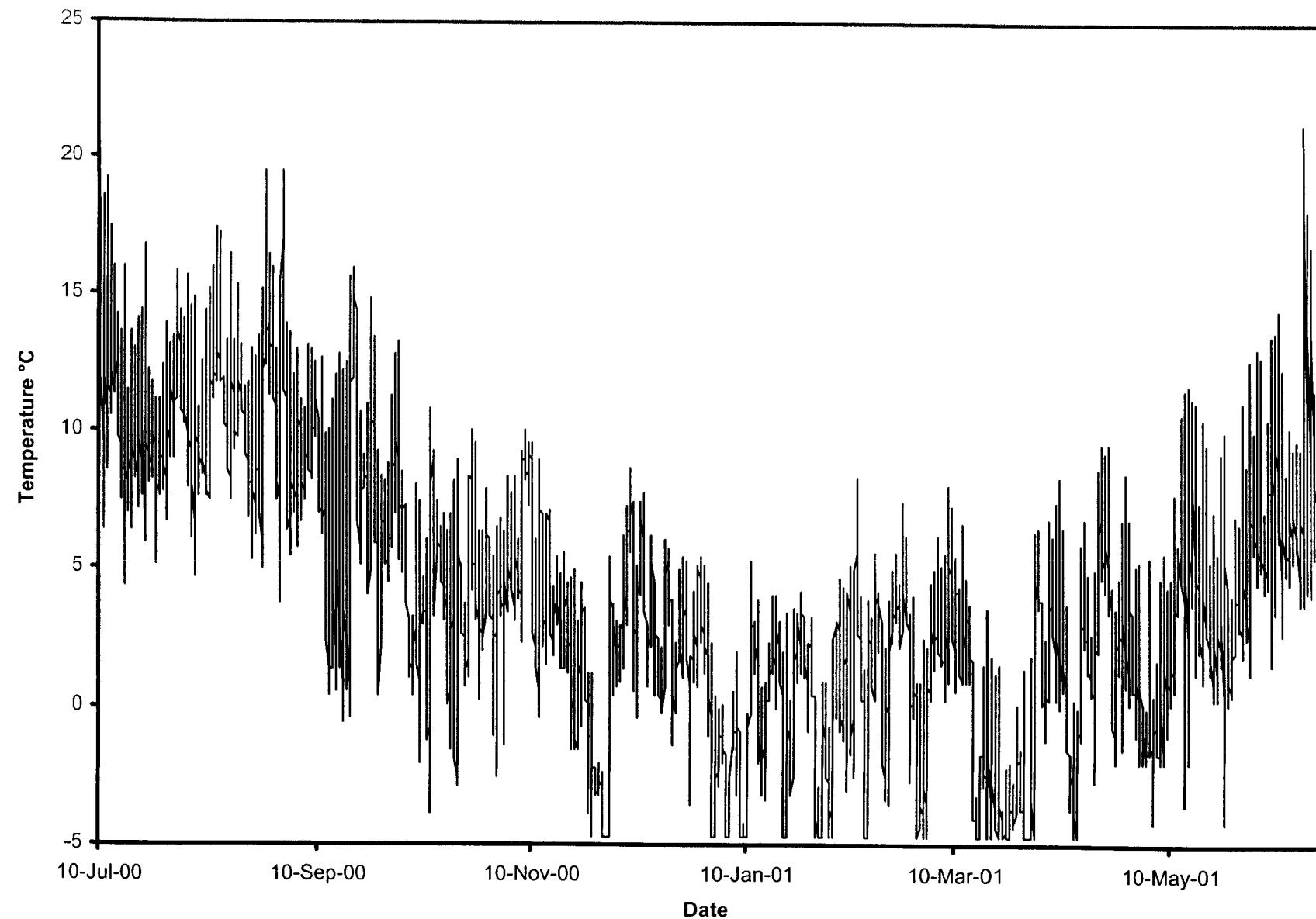
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Appendix E.7. (page 2 of 2)

Day	Chinook		Sockeye		Pink		Chum	
	Average	Average %						
16-Jul	2,224	47.6	193,692	85.5	113	55.4	390	11.6
17-Jul	2,275	48.7	198,116	87.5	122	58.8	438	13.1
18-Jul	2,307	49.4	202,285	89.3	129	62.4	533	15.9
19-Jul	2,388	51.1	205,681	90.8	141	66.9	656	19.6
20-Jul	2,407	51.5	208,610	92.1	153	71.9	760	22.7
21-Jul	2,428	52.0	211,308	93.3	166	77.0	833	24.8
22-Jul	2,455	52.6	214,072	94.5	181	82.9	923	27.5
23-Jul	2,485	53.2	216,452	95.6	192	86.4	1,072	32.0
24-Jul	2,633	56.4	218,551	96.5	206	91.0	1,282	38.2
25-Jul	2,808	60.1	220,296	97.3	212	92.7	1,440	42.9
26-Jul	3,014	64.5	222,418	98.2	213	93.1	1,609	48.0
27-Jul	3,258	69.7	223,592	98.7	218	94.7	1,844	55.0
28-Jul	3,497	74.9	224,023	98.9	222	96.0	2,078	62.0
29-Jul	3,710	79.4	224,344	99.1	226	97.3	2,315	69.0
30-Jul	4,047	86.6	224,669	99.2	230	98.4	2,558	76.3
31-Jul	4,385	93.9	224,842	99.3	232	99.2	2,793	83.3
1-Aug	4,672	100.0	224,996	99.4	235	100.0	3,034	90.5
2-Aug	4,672	100.0	225,254	99.5	235	100.0	3,254	97.0
3-Aug	4,672	100.0	225,504	99.6	235	100.0	3,274	97.6
4-Aug	4,672	100.0	225,754	99.7	235	100.0	3,314	98.8
5-Aug	4,672	100.0	226,004	99.8	235	100.0	3,354	100.0
6-Aug	4,672	100.0	226,254	99.9	235	100.0	3,354	100.0
7-Aug	4,672	100.0	226,461	100.0	235	100.0	3,354	100.0
8-Aug	4,672	100.0	226,461	100.0	235	100.0	3,354	100.0
9-Aug	4,672	100.0	226,461	100.0	235	100.0	3,354	100.0
10-Aug	4,672	100.0	226,461	100.0	235	100.0	3,354	100.0
11-Aug	4,672	100.0	226,461	100.0	235	100.0	3,354	100.0
12-Aug	4,672	100.0	226,461	100.0	235	100.0	3,354	100.0
13-Aug	4,672	100.0	226,461	100.0	235	100.0	3,354	100.0
14-Aug	4,672	100.0	226,461	100.0	235	100.0	3,354	100.0
15-Aug	4,672	100.0	226,461	100.0	235	100.0	3,354	100.0



Appendix E.8. Nelson River water temperature (data logger located in ~1m depth in river), 2000-2001.



Appendix E.9. Nelson River air temperature (data logger located in shade near ADFG cabin), 2000-2001.

Appendix F.1. Bear River cumulative escapement counts for chinook salmon by day, 1991-2001.

Day	Year										
	1991 ^a	1992 ^b	1993 ^b	1994 ^b	1995 ^c	1996 ^d	1997 ^b	1998 ^c	1999 ^e	2000 ^f	2001 ^f
1 - 21 June	0	0	0	0	0	0	0	0	0	0	0
22-Jun	0	1	0	0	0	0	0	1	0	0	0
23-Jun	0	1	0	0	0	0	0	1	0	0	1
24-Jun	0	1	0	0	0	0	0	1	0	0	1
25-Jun	0	1	0	0	0	1	0	1	0	0	1
26-Jun	0	1	0	0	0	1	0	1	0	0	1
27-Jun	0	1	0	0	0	1	0	1	0	0	1
28-Jun	0	1	0	0	0	1	0	1	0	0	1
29-Jun	0	1	0	1	0	1	0	1	0	0	1
30-Jun	0	1	1	1	0	1	0	2	0	0	1
1-Jul	0	1	1	1	0	1	0	2	0	0	1
2-Jul	0	1	1	1	0	3	0	2	0	0	1
3-Jul	0	2	1	1	0	3	0	3	0	0	1
4-Jul	0	2	1	1	0	4	0	3	0	0	1
5-Jul	0	2	1	1	0	4	0	3	0	1	1
6-Jul	1	2	3	1	0	4	0	3	0	1	1
7-Jul	1	2	3	1	0	4	0	4	0	1	1
8-Jul	1	2	3	1	0	4	0	4	0	1	1
9-Jul	1	2	3	1	0	4	2	4	0	1	1
10-Jul	1	2	3	1	0	4	2	4	0	1	2
11-Jul	1	2	4	1	0	6	4	4	0	1	2
12-Jul	1	2	4	1	0	7	4	4	0	1	2
13-Jul	1	3	6	1	0	8	4	4	0	1	2
14-Jul	1	3	7	1	0	9	4	4	0	1	2
15-Jul	3	3	8	1	0	11	4	4	0	1	3
16-Jul	3	3	8	1	0	12	4	4	0	1	3
17-Jul	9	3	9	1	1	14	4	4	0	1	3
18-Jul	9	3	13	1	2	15	4	4	0	1	4
19-Jul	11	4	13	1	2	15	4	4	0	1	4
20-Jul	12	7	13	1	2	16	4	5	0	1	4
21-Jul	13	9	14	1	2	18	4	6	0	1	8
22-Jul	16	10	14	1	2	18	4	6	0	1	8
23-Jul	18	10	17	1	2	18	4	6	0	1	10
24-Jul	18	10	29	2	2	18	11	6	0	1	10
25-Jul	19	10	32	2	2	22	11	6	0	1	10

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Appendix E.1. (page 2 of 3)

Day	Year										
	1991 ^a	1992 ^b	1993 ^b	1994 ^b	1995 ^c	1996 ^d	1997 ^b	1998 ^c	1999 ^e	2000 ^f	2001 ^f
26-Jul	20	11	32	2	4	22	11	6	0	1	11
27-Jul	20	11	33	2	4	22	11	7	0	1	11
28-Jul	20	12	35	4	4	23	11	8	0	1	11
29-Jul	24	13	35	5	4	25	12	8	0	1	11
30-Jul	27	15	35	7	4	26	12	8	0	1	11
31-Jul	30	16	38	7	4	27	12	9	0	1	11
1-Aug	32	17	41	7	6	28	12	11	0	1	11
2-Aug	33	19	41	7	6	29	14	12	0	1	11
3-Aug	37	20	41	7	7	30	14	12	0	1	11
4-Aug	37	20	42	9	8	30	14	12	0	1	11
5-Aug	38	20	43	10	8	30	14	12	0	1	13
6-Aug	38	22	45	10	8	30	14	14	0	1	14
7-Aug	39	26	48	10	8	31	14	14	0	1	15
8-Aug	39	28	48	10	8	31	14	14	0	1	15
9-Aug	40	30	50	11	8	31	14	17	0	1	15
10-Aug	42	31	54	13	8	32	15	18	0	1	15
11-Aug	45	32	54	13	8	35	17	18	0	2	16
12-Aug	49	34	54	13	8	36	17	18	0	3	17
13-Aug	52	37	55	14	9	38	17	18	0	6	19
14-Aug	52	42	55	14	9	40	18	18	0	6	22
15-Aug	52	43	57	17	9	43	18	18	1	6	22
16-Aug	52	43	58	18	10	43	18	18	2	9	22
17-Aug	52	46	59	19	11	45	18	18	2	10	22
18-Aug	55	48	59	19	11	47	18	18	2	11	22
19-Aug	58	48	60	19	12	48	18	18	2	11	24
20-Aug	58	48	64	20	12	49	18	18	2	12	24
21-Aug	-	48	65	20	13	49	18	18	2	13	24
22-Aug	-	48	66	20	13	49	18	19	2	15	24
23-Aug	-	48	68	20	13	49	18	19	-	15	-
24-Aug	-	50	68	20	13	-	18	19	-	16	-
25-Aug	-	50	68	20	14	-	18	19	-	-	-
26-Aug	-	50	68	20	14	-	-	19	-	-	-
27-Aug	-	-	-	-	14	-	-	19	-	-	-
28-Aug	-	-	-	-	-	-	-	-	-	-	-
Total	58	50	68	20	14	49	18	19	2	16	24

-Continued-

Appendix E.1. (page 3 of 3)

^a 1991, weir was removed on 20 August.

^b 1992, 1993, 1994, and 1997, weir was removed on 26 August.

^c 1995 and 1998, weir was removed on 28 August.

^d 1996 weir was removed on 23 August.

^e 1999, weir was removed on 23 August. Weir washed out from 4 August through 10 August.

^f 2000 and 2001, weir was removed on 24 August.

Appendix F 2 Bear River cumulative escapement counts for sockeye salmon by day, 1991–2001

Day	Year										
	1991 ^a	1992 ^b	1993 ^c	1994 ^d	1995 ^e	1996 ^f	1997 ^g	1998 ^h	1999 ⁱ	2000 ^j	2001 ^k
29-May	0	0	7	1	0	0	0	0	0	0	4
30-May	0	0	56	5	0	0	0	0	0	3	12
31-May	1	0	169	26	0	0	0	0	0	16	15
1-Jun	1	0	390	33	0	0	0	10	0	22	31
2-Jun	1	77	429	35	0	9	13	38	4	39	59
3-Jun	1	119	524	132	0	10	134	81	4	39	152
4-Jun	15	132	796	178	0	10	332	163	4	50	201
5-Jun	38	188	1,370	361	68	31	426	171	4	62	254
6-Jun	110	388	1,631	460	85	59	832	242	4	62	381
7-Jun	272	476	3,453	597	117	59	1,277	292	29	63	525
8-Jun	447	561	4,792	1,096	183	59	1,962	349	30	64	673
9-Jun	451	1,499	5,539	1,189	285	66	2,414	351	31	136	979
10-Jun	470	2,703	6,435	1,400	304	74	2,760	379	68	391	1,437
11-Jun	592	3,488	8,152	1,941	434	74	2,980	449	165	661	1,798
12-Jun	768	3,812	13,384	2,409	477	296	4,916	716	757	1,627	2,217
13-Jun	1,105	4,822	18,269	3,220	750	698	5,477	1,005	984	2,923	2,950
14-Jun	1,581	8,080	25,765	4,050	763	2,149	7,337	1,103	1,076	4,992	3,340
15-Jun	2,254	10,643	31,066	4,408	937	4,150	10,650	4,933	1,298	8,853	4,669
16-Jun	3,096	13,582	34,259	4,668	1,041	6,763	17,291	6,637	1,483	13,351	6,058
17-Jun	3,631	16,185	37,450	4,835	1,500	6,788	21,712	9,259	2,533	15,619	8,514
18-Jun	5,094	20,104	40,368	5,361	2,755	7,291	24,193	11,633	3,674	17,911	12,138
19-Jun	9,055	23,433	41,576	13,889	3,707	12,734	26,837	13,888	4,926	19,164	15,026
20-Jun	21,968	30,258	41,790	28,083	4,036	13,683	27,984	15,708	6,797	19,890	16,918
21-Jun	27,279	39,719	42,104	32,653	4,565	17,855	30,625	16,639	8,410	25,033	17,675
22-Jun	29,807	53,540	70,666	34,731	5,414	23,158	35,582	17,545	12,588	30,820	19,171
23-Jun	30,891	65,020	81,366	36,904	7,262	28,521	43,350	17,674	14,688	45,539	38,651
24-Jun	33,460	73,262	83,827	37,602	8,625	28,884	53,146	19,034	19,885	57,322	40,249
25-Jun	37,063	76,157	86,012	38,730	16,050	31,486	56,887	30,043	24,574	61,854	43,782
26-Jun	41,732	78,654	88,065	42,004	30,946	32,373	59,810	54,130	29,681	63,442	45,086
27-Jun	45,970	82,981	90,923	44,676	35,995	36,770	63,630	57,167	34,816	68,475	46,415
28-Jun	52,551	85,845	91,741	73,169	37,420	38,202	72,435	58,935	43,301	72,634	47,998
29-Jun	56,290	95,331	93,937	93,058	38,967	39,850	88,279	71,242	50,403	78,714	49,258
30-Jun	58,342	103,087	98,032	118,004	42,538	42,554	98,023	100,118	60,141	83,525	50,689

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Appendix F.2. (page 2 of 4)

Day	Year										
	1991 ^a	1992 ^b	1993 ^c	1994 ^d	1995 ^e	1996 ^f	1997 ^g	1998 ^h	1999 ⁱ	2000 ^j	2001 ^k
1-Jul	58,708	106,278	100,097	121,644	49,981	46,345	100,389	105,569	63,008	88,359	52,074
2-Jul	59,238	107,382	105,814	122,993	55,946	82,026	104,930	107,744	64,240	92,694	53,362
3-Jul	84,322	124,048	111,743	124,248	65,421	126,720	108,401	110,105	64,941	99,257	56,422
4-Jul	131,902	130,689	123,632	125,319	78,048	147,633	109,885	113,243	66,624	101,890	61,452
5-Jul	181,036	131,562	157,389	127,023	86,111	159,545	112,123	117,718	97,485	105,540	63,197
6-Jul	207,308	135,892	166,359	127,977	107,738	168,953	113,977	123,228	107,348	109,606	66,701
7-Jul	231,525	141,799	172,443	134,781	121,728	178,262	116,172	136,742	110,727	112,814	69,618
8-Jul	247,697	146,601	177,171	143,558	125,642	184,603	121,061	152,703	113,484	114,135	77,703
9-Jul	265,568	153,955	180,596	151,505	127,471	185,691	135,345	158,063	116,753	116,663	91,739
10-Jul	280,656	162,572	186,514	155,804	129,128	186,682	142,195	160,388	119,275	119,370	96,686
11-Jul	292,545	167,631	193,735	163,164	130,331	187,874	145,113	162,813	121,583	123,523	99,191
12-Jul	303,415	169,067	205,274	168,471	131,485	189,167	147,633	165,480	125,285	135,253	100,908
13-Jul	309,428	171,819	213,090	173,874	134,116	191,453	150,225	169,817	127,207	138,888	101,659
14-Jul	318,891	178,251	215,731	177,707	139,073	194,806	152,659	174,108	128,779	141,017	106,984
15-Jul	326,806	186,558	218,158	183,673	142,128	197,735	154,004	177,880	129,528	143,128	108,969
16-Jul	329,679	198,175	223,091	187,555	144,808	199,816	156,493	179,543	130,045	145,357	109,684
17-Jul	334,140	206,614	228,376	188,975	149,152	201,045	158,322	181,472	131,138	148,420	114,783
18-Jul	343,333	213,530	235,067	191,754	152,590	201,764	159,718	183,882	131,925	152,999	125,362
19-Jul	352,673	216,493	238,934	198,276	155,788	201,936	164,117	184,504	134,282	156,461	126,968
20-Jul	359,918	220,113	239,763	211,124	157,614	204,958	171,010	185,248	136,445	159,490	127,772
21-Jul	367,324	226,342	240,355	215,583	159,080	208,424	184,049	188,678	139,769	163,224	133,825
22-Jul	377,393	230,496	240,885	219,771	160,063	211,268	195,207	191,336	144,916	169,518	141,365
23-Jul	387,071	232,433	241,705	226,312	161,015	216,845	197,721	193,567	154,438	172,588	160,505
24-Jul	395,623	236,683	243,523	232,966	161,691	219,213	199,671	194,690	165,904	174,040	168,106
25-Jul	402,045	238,970	245,296	237,834	163,024	229,477	202,485	197,318	203,566	174,262	170,119
26-Jul	405,974	240,211	246,307	241,576	164,022	233,760	204,662	200,954	209,627	177,097	171,528
27-Jul	411,730	243,446	247,445	246,353	166,570	236,991	207,153	205,760	215,430	179,899	172,902
28-Jul	416,167	245,754	247,909	252,401	174,938	241,435	209,703	210,143	217,934	181,055	174,034
29-Jul	422,946	250,283	248,748	257,730	184,226	243,598	212,186	212,503	219,406	182,303	175,140
30-Jul	428,470	252,657	250,546	259,534	189,604	245,003	214,201	215,148	220,576	183,172	176,397
31-Jul	432,087	254,170	254,012	260,559	197,039	247,371	214,689	221,580	222,110	184,053	177,495
1-Aug	437,079	256,189	258,393	262,355	221,402	249,405	216,324	231,935	222,975	185,130	178,489
2-Aug	441,694	258,575	262,562	264,466	226,675	251,942	218,919	238,985	225,597	185,607	179,670

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Day	Year										
	1991 ^a	1992 ^b	1993 ^c	1994 ^d	1995 ^e	1996 ^f	1997 ^g	1998 ^h	1999 ⁱ	2000 ^j	2001 ^k
3-Aug	447,339	259,010	264,315	266,305	226,994	253,135	221,192	240,965	226,974	185,816	182,392
4-Aug	450,546	259,373	264,947	270,525	227,416	254,969	222,968	244,989	228,274	186,202	183,113
5-Aug	457,459	259,882	266,601	274,734	229,583	255,773	224,489	245,241	229,574	189,090	192,596
6-Aug	463,852	260,278	267,084	279,772	232,386	256,344	225,315	245,827	230,874	197,748	199,155
7-Aug	469,107	266,984	268,529	286,944	233,674	256,868	226,712	246,137	232,174	217,938	211,850
8-Aug	472,360	272,916	270,765	301,029	234,459	257,212	230,614	246,347	234,274	231,315	217,397
9-Aug	475,906	287,998	274,369	313,963	235,759	257,980	235,378	247,904	237,474	240,108	223,867
10-Aug	479,406	300,413	279,701	315,333	236,527	258,281	240,184	249,438	241,893	242,202	244,062
11-Aug	481,564	316,610	287,006	318,969	239,131	262,526	241,496	251,729	244,958	243,952	250,082
12-Aug	486,563	317,381	312,774	324,036	240,931	267,537	242,504	257,434	248,695	246,056	251,743
13-Aug	493,377	335,684	325,026	329,454	242,016	284,300	251,705	261,806	252,323	247,444	252,918
14-Aug	498,066	347,952	327,045	334,440	242,582	298,867	282,582	264,371	257,766	248,027	254,720
15-Aug	502,023	368,190	327,765	338,949	245,505	306,850	295,476	268,156	263,437	248,120	256,112
16-Aug	503,571	369,964	328,105	344,662	247,982	316,168	301,135	274,779	269,630	249,803	256,873
17-Aug	504,786	371,597	330,720	348,160	251,539	322,018	305,748	280,899	275,747	250,454	258,022
18-Aug	509,175	377,714	330,757	350,956	254,130	337,013	310,979	286,303	279,878	250,840	259,972
19-Aug	514,441	381,905	331,267	353,903	256,377	344,926	316,897	297,670	282,398	252,545	261,880
20-Aug	516,076	382,321	333,339	356,740	257,412	346,080	321,908	303,937	284,068	253,097	262,092
21-Aug	520,000	383,709	337,648	360,437	260,981	347,033	323,368	309,870	286,436	255,110	264,229
22-Aug	524,000	385,882	345,708	368,854	262,849	347,422	324,183	315,114	291,218	256,934	273,371
23-Aug	528,000	388,697	352,364	379,782	263,174	347,478	324,879	331,184	295,233	258,102	275,349
24-Aug	532,000	394,951	356,022	389,027	266,965	348,000	326,387	345,384	299,889	260,117	278,000
25-Aug	536,000	397,810	361,002	393,105	272,123	350,000	327,405	352,859	302,000	262,000	280,000
26-Aug	540,000	398,636	361,442	398,000	278,688	352,000	328,000	356,199	305,000	263,500	282,000
27-Aug	544,000	403,000	367,000	403,000	281,028	354,000	330,000	360,889	308,000	265,000	284,000
28-Aug	548,000	407,000	372,000	408,000	283,000	356,000	332,000	362,680	311,000	266,500	286,000
29-Aug	552,000	411,000	377,000	413,000	285,000	358,000	334,000	365,000	314,000	268,000	288,000
30-Aug	556,000	415,000	382,000	418,000	287,000	360,000	336,000	370,000	317,000	269,500	290,000
31-Aug	560,000	419,000	387,000	423,000	289,000	362,000	338,000	375,000	320,000	271,000	292,000
1-Sep	564,000	423,000	392,000	428,000	293,000	364,000	340,000	380,000	323,000	272,500	294,000
2-Sep	568,000	427,000	397,000	433,000	295,000	366,000	342,000	385,000	326,000	274,000	296,000
3-Sep	572,000	431,000	402,000	438,000	297,000	367,000	344,000	390,000	329,000	275,000	298,000
4-Sep	576,000	435,000	407,000	443,000	299,000	367,000	346,000	395,000	332,000	275,000	300,000

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Appendix F.2. (page 4 of 4)

Day	Year										
	1991 ^a	1992 ^b	1993 ^c	1994 ^d	1995 ^e	1996 ^f	1997 ^g	1998 ^h	1999 ⁱ	2000 ^j	2001 ^k
5-Sep	580,000	439,000	412,000	448,000	301,000	367,000	348,000	400,000	335,000	275,000	300,000
6-Sep	584,000	443,000	417,000	453,000	302,000	367,000	350,000	405,000	338,000	275,000	300,000
7-Sep	588,000	447,000	422,000	458,000	303,000	367,000	352,000	410,000	341,000	275,000	300,000
8-Sep	592,000	450,000	427,000	463,000	304,000	367,000	354,000	415,000	344,000	275,000	300,000
9-Sep	596,000	450,000	432,000	465,000	305,000	367,000	356,000	415,000	347,000	275,000	300,000
10-Sep	600,000	450,000	437,000	465,000	305,000	367,000	358,000	415,000	350,000	275,000	300,000
11-Sep	604,000	450,000	442,000	465,000	305,000	367,000	360,000	415,000	350,000	275,000	300,000
12-Sep	606,000	450,000	447,000	465,000	305,000	367,000	360,000	415,000	350,000	275,000	300,000
13-Sep	606,000	450,000	452,000	465,000	305,000	367,000	360,000	415,000	350,000	275,000	300,000
14-Sep	606,000	450,000	452,000	465,000	305,000	367,000	360,000	415,000	350,000	275,000	300,000
15-Sep	606,000	450,000	452,000	465,000	305,000	367,000	360,000	415,000	350,000	275,000	300,000
Total	606,000	450,000	452,000	465,000	305,000	367,000	360,000	415,000	350,000	275,000	300,000

^a Includes post weir estimate of 89,924 salmon, weir was removed on 20 August.

^b Includes post weir estimate of 51,364 salmon, weir was removed on 26 August.

^c Includes post weir estimate of 90,558 salmon, weir was removed on 26 August.

^d Includes post weir estimate of 71,895 salmon, weir was removed on 26 August.

^e Includes post weir estimate of 23,972 salmon, weir was removed on 28 August.

^f Includes post weir estimate of 19,522 salmon, weir was removed on 23 August.

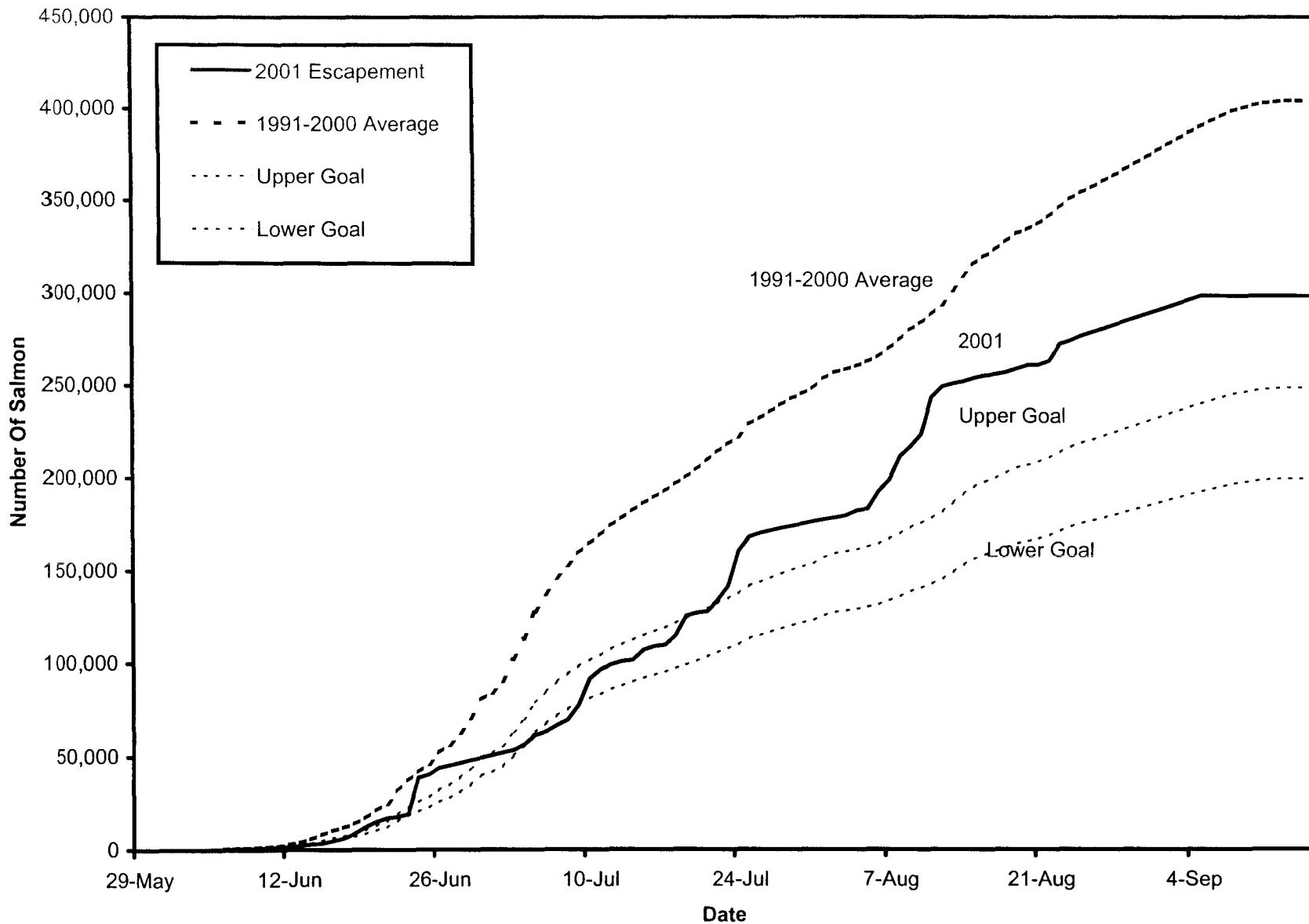
^g Includes post weir estimate of 32,595 salmon, weir was removed on 26 August.

^h Includes post weir estimate of 52,320 salmon, weir was removed on 28 August.

ⁱ Includes post weir estimate of 50,111 salmon, weir was removed on 23 August.

^j Includes post weir estimate of 14,883 salmon, weir was removed on 24 August.

^k Includes post weir estimate of 26,629 salmon, weir was removed on 24 August.



Appendix F.3. Comparison of the Bear River sockeye escapement goals to the 1991-2000 average escapement and the 2001 escapement.

Appendix F.4. Bear River cumulative escapement counts for pink salmon by day, 1991-2001.

Day	Year										
	1991 ^a	1992 ^b	1993 ^b	1994 ^b	1995 ^c	1996 ^d	1997 ^e	1998 ^b	1999 ^f	2000 ^g	2001 ^d
26-Jun	0	0	0	0	0	0	0	2	0	0	0
27-Jun	0	0	0	0	0	0	0	2	0	0	0
28-Jun	0	0	0	0	0	0	1	2	0	0	0
29-Jun	0	0	0	0	0	0	1	4	0	0	0
30-Jun	0	0	0	0	0	0	1	4	0	0	0
1-Jul	0	0	0	0	0	0	1	4	0	0	0
2-Jul	0	0	0	0	0	4	1	4	0	0	0
3-Jul	0	7	0	0	0	8	1	5	0	1	2
4-Jul	0	9	0	0	0	22	1	5	0	1	2
5-Jul	0	9	0	0	0	38	1	5	0	5	2
6-Jul	0	14	0	0	0	62	1	8	0	21	2
7-Jul	0	16	1	0	0	83	1	18	0	25	3
8-Jul	0	18	2	0	0	87	3	31	0	25	3
9-Jul	0	26	2	5	0	88	6	40	0	36	5
10-Jul	0	29	2	5	0	88	10	45	0	39	13
11-Jul	0	33	2	5	0	92	10	50	0	45	15
12-Jul	0	35	4	5	0	98	12	73	2	59	20
13-Jul	0	36	7	34	1	115	15	113	2	69	22
14-Jul	0	39	8	56	1	139	15	156	4	72	39
15-Jul	6	40	10	81	2	189	15	187	5	76	45
16-Jul	6	55	10	98	8	227	15	220	5	83	50
17-Jul	10	61	16	111	24	248	16	260	6	99	65
18-Jul	15	66	16	128	31	256	16	314	10	107	88
19-Jul	21	68	20	154	37	258	17	348	10	124	92
20-Jul	32	78	21	186	39	267	24	390	17	144	103
21-Jul	42	178	24	225	43	284	39	434	24	160	118
22-Jul	61	225	24	262	44	307	52	461	33	207	160
23-Jul	100	230	30	266	44	351	57	516	39	213	215
24-Jul	171	244	69	336	44	376	59	565	49	231	257
25-Jul	204	254	78	336	45	431	63	636	65	246	274
26-Jul	234	260	90	336	48	448	67	711	68	270	297
27-Jul	285	288	93	370	57	475	69	764	85	276	304
28-Jul	348	305	94	409	72	503	84	808	93	282	318

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Day	Year										
	1991 ^a	1992 ^b	1993 ^b	1994 ^b	1995 ^c	1996 ^d	1997 ^e	1998 ^b	1999 ^f	2000 ^g	2001 ^d
29-Jul	463	334	99	452	107	527	119	826	108	286	332
30-Jul	551	346	114	465	118	545	163	845	119	294	341
31-Jul	581	356	133	465	141	560	170	886	130	298	350
1-Aug	613	363	146	467	200	569	189	933	133	302	362
2-Aug	681	382	155	472	206	583	206	973	148	302	375
3-Aug	769	392	156	481	208	588	238	983	151	303	404
4-Aug	792	398	157	499	210	596	276	1,021	151	309	408
5-Aug	884	401	159	500	215	601	294	1,028	151	318	471
6-Aug	951	407	160	515	224	607	330	1,040	151	327	519
7-Aug	1,015	451	163	542	226	615	392	1,043	151	336	569
8-Aug	1,058	473	167	586	232	628	420	1,051	151	342	588
9-Aug	1,110	505	184	607	234	635	503	1,083	151	350	625
10-Aug	1,128	531	215	623	241	640	569	1,114	206	350	713
11-Aug	1,139	568	229	628	256	662	595	1,175	250	359	752
12-Aug	1,176	569	244	645	269	683	632	1,227	289	369	778
13-Aug	1,280	605	247	665	275	736	798	1,266	311	384	793
14-Aug	2,592	623	253	693	278	842	1,102	1,286	363	388	834
15-Aug	3,928	687	253	713	305	917	1,397	1,301	440	391	854
16-Aug	5,276	697	253	740	323	999	1,501	1,333	507	415	878
17-Aug	6,632	706	257	764	340	1,036	1,589	1,354	548	432	895
18-Aug	6,652	714	257	784	357	1,090	1,644	1,374	609	435	920
19-Aug	6,675	721	258	807	365	1,127	1,735	1,452	646	453	959
20-Aug	6,677	726	262	824	370	1,152	1,836	1,508	667	456	966
21-Aug	-	735	265	834	394	1,183	1,876	1,527	681	466	978
22-Aug	-	783	274	863	403	1,205	1,916	1,574	748	483	1,084
23-Aug	-	829	291	941	409	-	1,940	1,688	787	496	1,108
24-Aug	-	912	308	988	429	-	2,042	1,754	825	526	-
25-Aug	-	957	315	1,017	476	-	2,064	1,774	-	-	-
26-Aug	-	972	315	1,017	523	-	-	1,805	-	-	-
27-Aug	-	-	-	-	535	-	-	1,826	-	-	-
28-Aug	-	-	-	-	-	-	-	1,839	-	-	-
29-Aug	-	-	-	-	-	-	-	-	-	-	-
Total	6,677	972	315	1,017	535	1,205	2,064	1,839	825	526	1,108

-Continued-

^a 1991, weir was removed on 20 August.

^b 1992, 1993, 1994 and 1998, weir was removed on 26 August.

^c 1995, weir was removed on 27 August.

^d 1996 and 2001, weir was removed on 23 August.

^e 1997, weir was removed on 28 August.

^f 1999, weir was removed in the morning of 24 August. The weir washed out from 4 August through 10 August.

^g 2000, weir was removed on 24 August.

Appendix E.5 Bear River cumulative escapement counts for chum salmon by day, 1991-2001.

Day	Year										
	1991 ^a	1992 ^b	1993 ^b	1994 ^b	1995 ^c	1996 ^d	1997 ^e	1998 ^b	1999 ^f	2000 ^g	2001 ^g
25-Jun	0	0	0	0	0	0	0	0	0	0	0
26-Jun	0	0	0	0	0	0	0	2	0	0	0
27-Jun	0	0	0	0	0	0	0	2	0	0	0
28-Jun	0	0	0	0	0	0	2	2	0	0	0
29-Jun	0	0	0	0	0	0	4	5	0	0	0
30-Jun	0	0	0	0	0	0	4	5	0	0	0
1-Jul	0	0	0	0	0	0	4	5	0	0	0
2-Jul	0	0	0	0	0	0	4	5	0	0	1
3-Jul	0	2	0	0	0	0	4	6	0	0	1
4-Jul	0	2	0	0	0	0	4	6	0	0	1
5-Jul	0	2	0	0	0	0	4	6	0	0	1
6-Jul	0	2	0	0	0	0	5	6	0	0	1
7-Jul	0	2	0	0	0	0	5	6	0	0	1
8-Jul	0	2	0	0	0	0	5	6	0	0	1
9-Jul	0	2	0	0	0	0	5	6	0	0	1
10-Jul	0	2	0	0	0	0	8	6	0	0	1
11-Jul	0	3	0	0	0	0	8	6	0	0	1
12-Jul	0	3	1	0	0	0	9	6	0	0	1
13-Jul	0	3	1	0	0	0	10	6	0	0	2
14-Jul	0	3	1	0	0	0	10	6	0	0	3
15-Jul	0	4	1	0	0	2	10	6	0	0	3
16-Jul	0	4	1	0	0	3	10	6	0	0	3
17-Jul	0	4	1	0	0	4	10	6	0	0	5
18-Jul	0	4	1	0	0	4	10	6	0	0	5
19-Jul	0	5	1	0	0	4	12	6	0	0	5
20-Jul	0	5	1	0	0	4	14	6	0	0	5
21-Jul	0	7	1	0	0	4	14	6	0	0	5
22-Jul	0	7	1	0	0	5	14	6	0	1	5
23-Jul	0	7	1	0	0	6	15	7	0	1	6
24-Jul	1	7	1	0	2	6	15	7	1	1	6
25-Jul	1	7	1	0	2	9	15	8	4	1	6
26-Jul	1	8	1	0	2	10	15	9	4	1	6
27-Jul	1	8	1	0	2	11	15	10	4	1	7
28-Jul	3	8	1	1	2	11	15	11	4	1	7

-Continued-

Appendix F.5. (page 2 of 3)

Day	Year										
	1991 ^a	1992 ^b	1993 ^b	1994 ^b	1995 ^c	1996 ^d	1997 ^e	1998 ^b	1999 ^f	2000 ^g	2001 ^g
29-Jul	7	8	1	1	3	11	16	12	4	3	7
30-Jul	8	9	1	1	5	11	16	12	4	3	7
31-Jul	8	9	1	1	16	11	17	14	5	3	7
1-Aug	8	9	3	1	26	12	17	15	5	4	7
2-Aug	8	9	3	1	27	13	17	15	5	4	8
3-Aug	8	11	3	1	27	13	19	16	5	4	9
4-Aug	8	11	4	1	27	13	20	16	5	4	9
5-Aug	9	11	4	20	27	14	20	16	5	4	10
6-Aug	10	11	4	21	27	14	20	16	5	4	12
7-Aug	10	11	6	21	27	16	22	16	5	4	15
8-Aug	10	14	6	21	27	16	23	16	5	5	17
9-Aug	10	15	10	21	27	17	26	16	5	5	17
10-Aug	10	17	11	21	28	19	29	16	5	5	20
11-Aug	10	20	17	21	28	21	29	16	5	6	20
12-Aug	10	21	33	22	31	30	33	18	5	9	21
13-Aug	10	26	37	23	32	40	33	18	6	10	24
14-Aug	10	37	38	26	32	51	37	22	6	10	27
15-Aug	20	43	38	26	35	56	51	24	6	11	29
16-Aug	20	46	39	26	44	73	60	27	9	14	30
17-Aug	20	49	42	28	47	78	66	29	16	27	31
18-Aug	20	54	42	31	53	86	69	29	22	28	34
19-Aug	22	61	44	37	58	96	74	33	30	35	40
20-Aug	24	63	48	39	61	107	82	40	32	39	40
21-Aug	-	65	52	41	68	114	85	44	37	45	46
22-Aug	-	69	55	50	75	118	92	52	44	54	97
23-Aug	-	76	64	61	80	118	95	71	52	61	112
24-Aug	-	96	72	72	82	-	99	84	55	71	-
25-Aug	-	104	76	86	96	-	105	91	-	-	-
26-Aug	-	111	76	86	123	-	-	96	-	-	-
27-Aug	-	-	-	-	128	-	-	102	-	-	-
28-Aug	-	-	-	-	-	-	-	114	-	-	-
29-Aug	-	-	-	-	-	-	-	-	-	-	-
Total	24	111	76	86	128	118	105	114	55	71	112

-Continued-

^a 1991, weir was removed on 20 August.

^b 1992, 1993, 1994 and 1998, weir was removed on 26 August.

^c 1995, weir was removed on 27 August.

^d 1996 weir was removed on 23 August.

^e 1997, weir was removed on 28 August.

^f 1999, weir was removed on the morning of 24 August. The weir was washed out from 4 August through 10 August.

^g 2000 and 2001 weir was removed on 24 August.

Appendix F.6. Bear River average escapement by species by day, 1991-2000.

Day	Chinook		Sockeye		Pink		Chum	
	Average	Average %						
29-May	0	0.0	1	0.0	0	0.0	0	0.0
30-May	0	0.0	6	0.0	0	0.0	0	0.0
31-May	0	0.0	21	0.0	0	0.0	0	0.0
1-Jun	0	0.0	46	0.0	0	0.0	0	0.0
2-Jun	0	0.0	65	0.0	0	0.0	0	0.0
3-Jun	0	0.0	104	0.0	0	0.0	0	0.0
4-Jun	0	0.0	168	0.0	0	0.0	0	0.0
5-Jun	0	0.0	272	0.1	0	0.0	0	0.0
6-Jun	0	0.0	387	0.1	0	0.0	0	0.0
7-Jun	0	0.0	664	0.2	0	0.0	0	0.0
8-Jun	0	0.0	954	0.2	0	0.0	0	0.0
9-Jun	0	0.0	1,196	0.3	0	0.0	0	0.0
10-Jun	0	0.0	1,498	0.4	0	0.0	0	0.0
11-Jun	0	0.0	1,894	0.5	0	0.0	0	0.0
12-Jun	0	0.0	2,916	0.7	0	0.0	0	0.0
13-Jun	0	0.0	3,925	1.0	0	0.0	0	0.0
14-Jun	0	0.0	5,690	1.4	0	0.0	0	0.0
15-Jun	0	0.0	7,919	2.0	0	0.0	0	0.0
16-Jun	0	0.0	10,217	2.5	0	0.0	0	0.0
17-Jun	0	0.0	11,951	3.0	0	0.0	0	0.0
18-Jun	0	0.0	13,838	3.4	0	0.0	0	0.0
19-Jun	0	0.0	16,921	4.2	0	0.0	0	0.0
20-Jun	0	0.0	21,020	5.2	0	0.0	0	0.0
21-Jun	0	0.0	24,488	6.1	0	0.0	0	0.0
22-Jun	0	0.6	31,385	7.8	0	0.0	0	0.0
23-Jun	0	0.6	37,122	9.2	0	0.0	0	0.0
24-Jun	0	0.6	41,505	10.3	0	0.0	0	0.0
25-Jun	0	1.0	45,886	11.3	0	0.0	0	0.0
26-Jun	0	1.0	52,084	12.9	0	0.0	0	0.2
27-Jun	0	1.0	56,140	13.9	0	0.0	0	0.2
28-Jun	0	1.0	62,623	15.5	0	0.0	0	0.5
29-Jun	0	1.3	70,607	17.5	1	0.0	1	1.0
30-Jun	1	1.9	80,436	19.9	1	0.0	1	1.0
1-Jul	1	1.9	84,038	20.8	1	0.0	1	1.0
2-Jul	1	2.5	90,301	22.3	1	0.1	1	1.0
3-Jul	1	3.2	101,921	25.2	2	0.1	1	1.4
4-Jul	1	3.5	112,887	27.9	4	0.2	1	1.4
5-Jul	1	3.8	127,553	31.5	6	0.4	1	1.4
6-Jul	2	4.8	136,839	33.8	11	0.7	1	1.5
7-Jul	2	5.1	145,699	36.0	14	0.9	1	1.5
8-Jul	2	5.1	152,666	37.7	17	1.0	1	1.5
9-Jul	2	5.7	159,161	39.3	20	1.3	1	1.5
10-Jul	2	5.7	164,258	40.6	22	1.4	2	1.8
11-Jul	2	7.3	168,831	41.7	24	1.5	2	1.9
12-Jul	2	7.6	174,053	43.0	29	1.8	2	2.1

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Day	Chinook		Sockeye		Pink		Chum	
	Average	Average %						
13-Jul	3	8.9	177,992	44.0	39	2.5	2	2.3
14-Jul	3	9.6	182,102	45.0	49	3.1	2	2.3
15-Jul	4	11.1	185,960	46.0	61	3.8	2	2.6
16-Jul	4	11.5	189,456	46.8	73	4.6	2	2.7
17-Jul	5	14.6	192,765	47.7	85	5.3	3	2.8
18-Jul	5	16.6	196,656	48.6	96	6.0	3	2.8
19-Jul	6	17.5	200,346	49.5	106	6.6	3	3.2
20-Jul	6	19.4	204,568	50.6	120	7.5	3	3.4
21-Jul	7	21.7	209,283	51.7	145	9.1	3	3.6
22-Jul	7	22.9	214,085	52.9	168	10.5	3	3.8
23-Jul	8	24.5	218,370	54.0	185	11.6	4	4.2
24-Jul	10	30.9	222,400	55.0	214	13.4	4	4.6
25-Jul	11	33.4	229,428	56.7	236	14.8	5	5.4
26-Jul	11	34.7	232,419	57.5	253	15.8	5	5.7
27-Jul	11	35.4	236,078	58.4	276	17.3	5	6.0
28-Jul	12	37.6	239,744	59.3	300	18.8	6	6.4
29-Jul	13	40.4	243,393	60.2	332	20.8	7	7.4
30-Jul	14	43.0	245,891	60.8	356	22.3	7	7.9
31-Jul	14	45.9	248,767	61.5	372	23.3	9	9.6
1-Aug	16	49.4	254,119	62.8	392	24.5	10	11.3
2-Aug	16	51.6	257,502	63.7	411	25.7	10	11.5
3-Aug	17	53.8	259,205	64.1	427	26.7	11	12.0
4-Aug	17	55.1	261,021	64.5	441	27.6	11	12.3
5-Aug	18	56.1	263,243	65.1	455	28.5	13	14.6
6-Aug	18	58.0	265,948	65.7	471	29.5	13	14.9
7-Aug	19	60.8	270,507	66.9	493	30.9	14	15.5
8-Aug	19	61.5	275,129	68.0	511	32.0	14	16.1
9-Aug	20	64.3	280,684	69.4	536	33.6	15	17.1
10-Aug	21	68.2	284,338	70.3	562	35.2	16	18.1
11-Aug	22	71.3	288,794	71.4	586	36.7	17	19.5
12-Aug	23	73.9	294,391	72.8	610	38.2	21	23.9
13-Aug	25	78.3	302,314	74.7	657	41.1	24	26.5
14-Aug	25	80.9	310,170	76.7	842	52.7	27	30.3
15-Aug	26	84.1	316,447	78.2	1,033	64.7	31	34.9
16-Aug	27	86.3	320,580	79.3	1,204	75.4	36	40.3
17-Aug	28	89.2	324,167	80.1	1,366	85.5	40	45.3
18-Aug	29	91.7	328,775	81.3	1,392	87.1	43	48.9
19-Aug	29	93.6	333,233	82.4	1,424	89.1	49	55.2
20-Aug	30	95.9	335,498	82.9	1,448	90.6	54	60.2
21-Aug	30	96.8	338,459	83.7	1,464	91.6	58	64.8
22-Aug	31	98.1	342,216	84.6	1,493	93.4	63	71.3
23-Aug	31	98.7	346,889	85.8	1,526	95.5	70	79.1
24-Aug	31	99.7	351,874	87.0	1,567	98.1	77	87.0
25-Aug	31	100.0	355,430	87.9	1,584	99.1	83	93.0
26-Aug	31	100.0	358,147	88.5	1,593	99.7	87	97.4

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Day	Chinook		Sockeye		Pink		Chum	
	Average	Average %						
27-Aug	31	100.0	361,592	89.4	1,596	99.9	88	98.6
28-Aug	31	100.0	364,618	90.1	1,598	100.0	89	100.0
29-Aug	31	100.0	367,700	90.9	1,598	100.0	89	100.0
30-Aug	31	100.0	371,050	91.7	1,598	100.0	89	100.0
31-Aug	31	100.0	374,400	92.6	1,598	100.0	89	100.0
1-Sep	31	100.0	377,950	93.4	1,598	100.0	89	100.0
2-Sep	31	100.0	381,300	94.3	1,598	100.0	89	100.0
3-Sep	31	100.0	384,500	95.1	1,598	100.0	89	100.0
4-Sep	31	100.0	387,500	95.8	1,598	100.0	89	100.0
5-Sep	31	100.0	390,500	96.5	1,598	100.0	89	100.0
6-Sep	31	100.0	393,400	97.3	1,598	100.0	89	100.0
7-Sep	31	100.0	396,300	98.0	1,598	100.0	89	100.0
8-Sep	31	100.0	399,100	98.7	1,598	100.0	89	100.0
9-Sep	31	100.0	400,800	99.1	1,598	100.0	89	100.0
10-Sep	31	100.0	402,200	99.4	1,598	100.0	89	100.0
11-Sep	31	100.0	403,300	99.7	1,598	100.0	89	100.0
12-Sep	31	100.0	404,000	99.9	1,598	100.0	89	100.0
13-Sep	31	100.0	404,500	100.0	1,598	100.0	89	100.0
14-Sep	31	100.0	404,500	100.0	1,598	100.0	89	100.0
15-Sep	31	100.0	404,500	100.0	1,598	100.0	89	100.0

Appendix G.1. Sandy River cumulative escapement counts for chinook salmon by day, 1994-2001.

Day	Year							
	1994 ^a	1995 ^b	1996 ^c	1997 ^d	1998 ^d	1999 ^d	2000 ^e	2001 ^f
16-Jun	0	0	0	0	0	0	0	0
17-Jun	0	0	0	1	0	0	0	0
18-Jun	0	0	0	1	0	0	0	0
19-Jun	0	0	0	1	0	0	2	1
20-Jun	0	1	0	1	0	0	3	1
21-Jun	0	1	0	1	1	0	3	2
22-Jun	0	1	0	1	1	0	3	2
23-Jun	0	1	0	2	1	1	3	2
24-Jun	0	1	0	7	1	1	3	3
25-Jun	4	1	0	9	2	1	3	3
26-Jun	4	5	0	9	2	2	3	3
27-Jun	5	5	0	14	2	2	3	3
28-Jun	8	5	0	27	4	3	3	7
29-Jun	11	7	2	44	4	4	5	9
30-Jun	16	7	2	50	6	4	7	-
1-Jul	24	9	2	54	16	6	7	-
2-Jul	27	11	2	57	31	8	9	-
3-Jul	27	13	2	67	38	8	11	-
4-Jul	27	13	2	78	52	9	13	-
5-Jul	29	21	2	131	59	13	17	-
6-Jul	29	25	6	145	68	15	26	-
7-Jul	31	30	9	167	70	16	29	-
8-Jul	41	33	11	190	75	18	32	-
9-Jul	46	40	13	207	89	22	33	-
10-Jul	58	47	15	218	90	24	37	-
11-Jul	75	53	16	233	98	29	40	-
12-Jul	95	53	19	238	101	32	48	-
13-Jul	101	56	22	253	104	33	61	-
14-Jul	126	62	27	256	116	36	65	-
15-Jul	184	67	31	263	123	38	65	-
16-Jul	216	73	41	272	131	38	83	-
17-Jul	234	75	47	291	142	42	87	-
18-Jul	256	84	48	307	147	49	90	-
19-Jul	262	86	48	322	162	61	98	-
20-Jul	-	90	-	334	168	75	101	-
21-Jul	-	-	-	362	177	79	103	-
22-Jul	-	-	-	375	198	90	109	-
23-Jul	-	-	-	389	208	112	139	-
24-Jul	-	-	-	394	232	151	155	-
25-Jul	-	-	-	403	240	159	-	-
Total	262	90	48	403	240	159	155	9

^a Weir was removed on 20 July.

^b Weir was removed on 21 July.

^c Weir was removed on 19 July.

^d Weir was removed on 26 July.

^e Weir was removed on 24 July.

^f Weir washed out on 30 June and was not reinstalled.

Appendix G.2. Sandy River cumulative escapement counts for sockeye salmon by day, 1994-2001.

Day	Year							
	1994 ^a	1995 ^b	1996 ^c	1997 ^d	1998 ^e	1999 ^f	2000 ^g	2001 ^h
5-Jun	-	7	0	-	0	0	-	-
6-Jun	-	9	13	-	0	0	-	-
7-Jun	-	15	14	-	0	0	-	-
8-Jun	4	25	15	-	0	0	-	0
9-Jun	24	33	15	-	0	0	-	0
10-Jun	36	35	21	-	0	2	-	11
11-Jun	46	44	31	-	0	17	-	21
12-Jun	46	88	106	13	0	24	-	23
13-Jun	46	94	252	23	0	31	-	24
14-Jun	48	100	535	23	0	40	-	29
15-Jun	50	124	1,049	45	0	53	-	49
16-Jun	57	165	1,049	46	14	81	-	402
17-Jun	203	227	1,619	80	43	129	22	634
18-Jun	1,356	301	2,065	152	97	170	257	923
19-Jun	4,005	1,203	3,414	344	164	234	481	1,108
20-Jun	6,298	4,099	4,646	1,445	208	316	777	2,019
21-Jun	8,633	5,191	5,324	1,582	257	388	1,080	3,461
22-Jun	9,270	6,177	7,273	1,635	363	445	1,917	4,961
23-Jun	9,735	9,340	9,482	2,263	379	837	2,735	5,461
24-Jun	10,781	19,353	11,951	2,836	534	1,261	3,196	6,461
25-Jun	12,509	26,748	14,680	3,824	661	1,465	3,588	7,519
26-Jun	15,846	32,804	17,669	4,534	751	2,581	3,915	9,252
27-Jun	22,030	35,665	20,769	5,767	875	3,801	4,318	10,547
28-Jun	27,436	39,064	24,017	7,012	1,317	7,315	6,150	11,205
29-Jun	35,544	44,633	28,052	9,549	2,239	9,198	16,185	11,675
30-Jun	40,830	46,319	32,012	10,021	7,057	11,260	21,148	13,000
1-Jul	48,163	49,804	36,408	12,053	13,640	15,076	23,575	15,500
2-Jul	50,991	57,803	41,827	13,435	16,772	19,439	24,768	18,000
3-Jul	54,053	67,503	46,734	14,514	17,903	21,934	25,961	20,500
4-Jul	57,040	75,419	50,425	15,755	18,813	25,626	27,400	23,000
5-Jul	60,514	85,982	53,789	16,961	20,516	30,730	28,766	25,500
6-Jul	63,015	89,476	55,744	17,667	22,180	34,644	29,698	28,000
7-Jul	65,867	102,345	56,599	18,607	24,301	38,474	30,591	30,500
8-Jul	73,993	104,639	57,099	19,805	26,698	41,915	31,219	33,000
9-Jul	80,468	106,344	57,768	21,270	29,773	43,944	32,118	35,500
10-Jul	85,572	107,709	58,048	22,795	32,636	45,287	32,808	38,000
11-Jul	89,107	109,065	58,244	23,889	34,713	46,242	33,382	40,500
12-Jul	92,328	109,978	58,718	25,102	36,416	46,579	33,921	41,500
13-Jul	95,420	111,134	59,275	25,762	36,416	47,047	34,436	42,500
14-Jul	98,514	113,051	59,843	25,998	36,416	47,531	34,721	43,500
15-Jul	100,122	116,129	60,479	26,084	36,416	47,819	35,074	44,250
16-Jul	101,845	118,611	61,350	27,289	36,416	48,072	35,587	45,000
17-Jul	103,557	119,758	61,950	28,419	36,416	48,341	35,915	45,750
18-Jul	105,563	120,570	62,263	29,309	36,416	48,600	36,100	46,500

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Appendix G.2. (page 2 of 2)

Day	Year							
	1994 ^a	1995 ^b	1996 ^c	1997 ^d	1998 ^e	1999 ^f	2000 ^g	2001 ^h
19-Jul	106,377	121,505	62,270	29,959	45,451	49,005	36,415	47,000
20-Jul	106,628	121,715	62,500	30,552	46,271	49,912	36,572	47,500
21-Jul	108,000	123,000	62,750	31,471	47,070	50,610	36,778	48,000
22-Jul	109,000	124,000	63,000	32,447	47,974	51,710	37,003	48,500
23-Jul	110,000	125,000	63,250	33,376	48,673	52,769	37,317	49,000
24-Jul	111,000	125,000	63,500	33,968	49,445	53,544	37,506	49,500
25-Jul	112,000	125,000	63,750	34,433	50,046	54,329	38,000	50,000
26-Jul	113,000	125,000	64,000	35,000	50,500	55,500	38,500	50,250
27-Jul	114,000	125,000	64,000	36,000	51,000	56,000	39,000	50,500
28-Jul	115,000	125,000	64,000	37,000	51,500	56,500	39,500	50,750
29-Jul	115,000	125,000	64,000	38,000	52,000	57,000	40,000	51,000
30-Jul	115,000	125,000	64,000	38,000	52,000	57,500	40,000	51,000
31-Jul	115,000	125,000	64,000	38,000	52,000	58,000	40,000	51,000
Total	115,000	125,000	64,000	38,000	52,000	58,000	40,000	51,000

^a Includes postweir estimate of 8,372 salmon, weir was removed on 20 July.

^b Includes postweir estimate of 3,285 salmon, weir was removed on 21 July.

^c Includes postweir estimate of 1,730 salmon, weir was removed on 19 July.

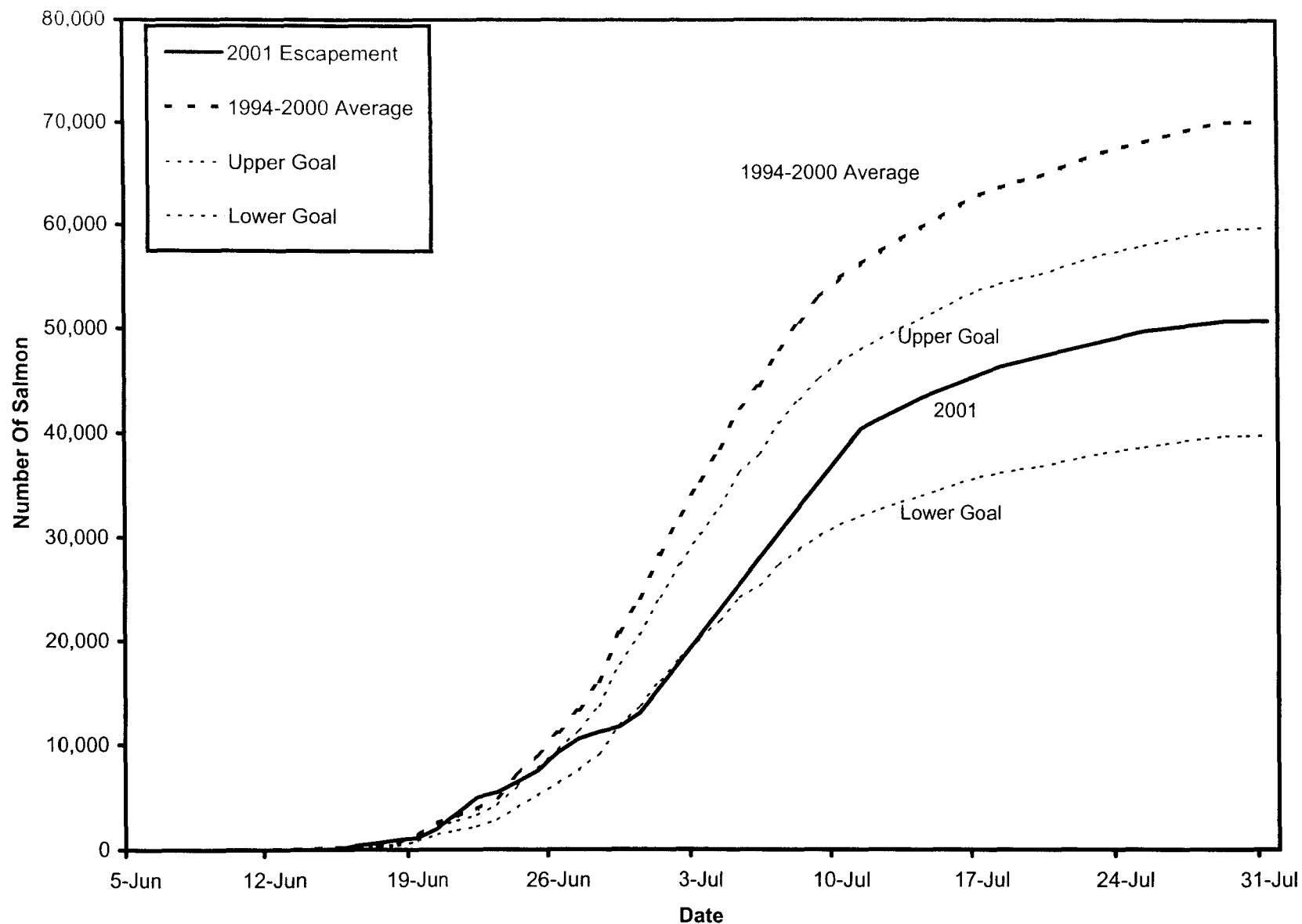
^d Includes postweir estimate of 3,567 salmon, weir was removed on 26 July.

^e Includes postweir estimate of 1,954 salmon, weir was removed on 26 July.

^f Includes postweir estimate of 3,671 salmon, weir was removed on 26 July.

^g Includes postweir estimate of 2,494 salmon, weir was removed on 24 July.

^h The weir washed out on 30 June and was not reinstalled, the 39,325 salmon postweir daily escapement was estimated using the 1994-2000 average daily escapement.



Appendix G.3. Comparison of the Sandy River sockeye escapement goals to the 1994-2000 average escapement and the 2001 escapement.

Appendix G.4. Sandy River average escapement by species by day, 1994-2000.

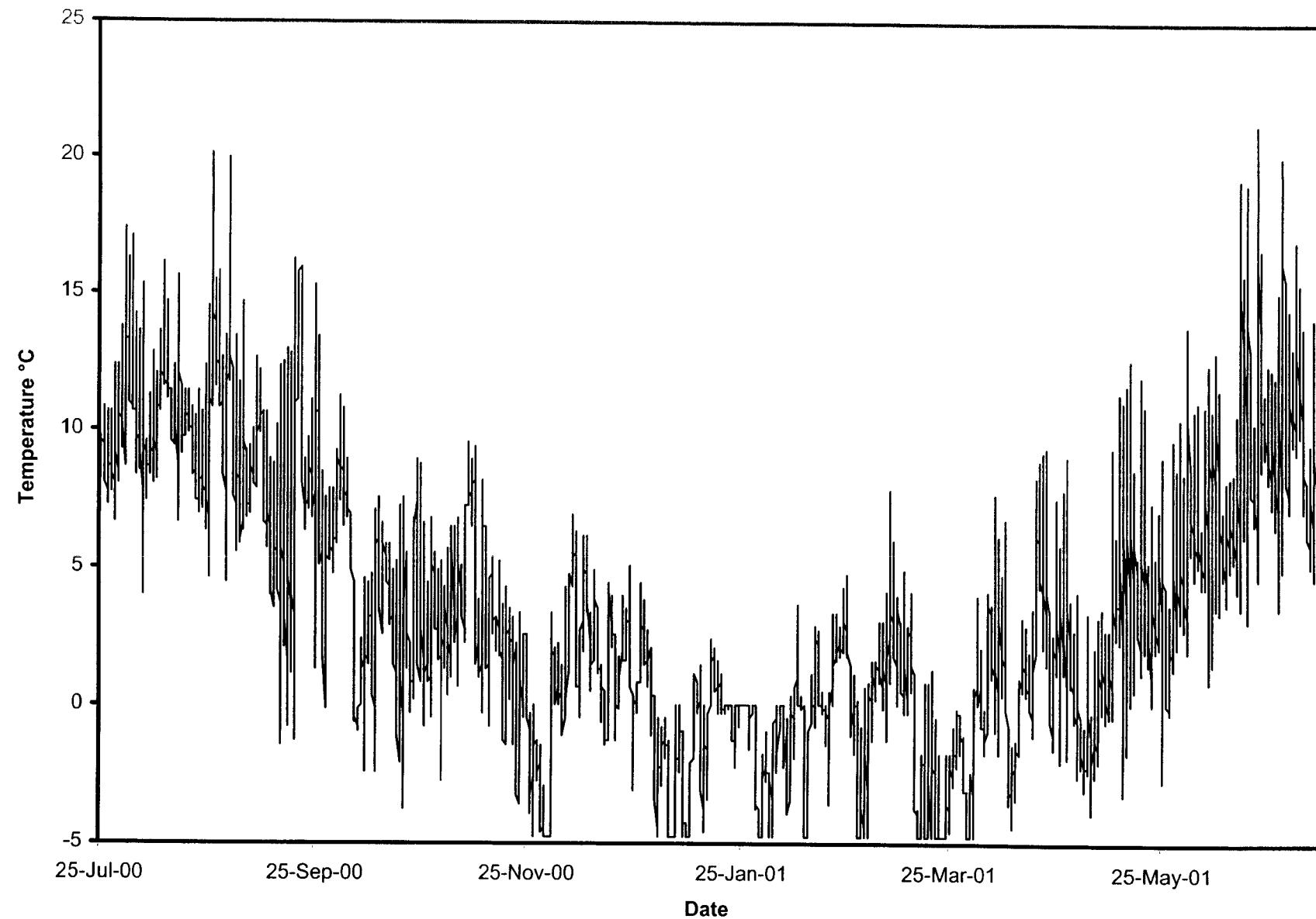
Day	Chinook		Sockeye		Pink ^a		Chum ^a	
	Average	Average %	Average	Average %	Average	Average %	Average	Average %
5-Jun	0	0.0	1	0.0	0	0.0	0	0.0
6-Jun	0	0.0	3	0.0	0	0.0	0	0.0
7-Jun	0	0.0	4	0.0	0	0.0	0	0.0
8-Jun	0	0.0	6	0.0	0	0.0	0	0.0
9-Jun	0	0.0	10	0.0	0	0.0	0	0.0
10-Jun	0	0.0	13	0.0	0	0.0	0	0.0
11-Jun	0	0.0	20	0.0	0	0.0	0	0.0
12-Jun	0	0.0	40	0.1	0	0.0	0	0.0
13-Jun	0	0.0	64	0.1	0	0.0	0	0.0
14-Jun	0	0.0	107	0.2	0	0.0	0	0.0
15-Jun	0	0.0	189	0.3	0	0.0	0	0.0
16-Jun	0	0.0	202	0.3	0	0.0	0	0.0
17-Jun	0	0.1	332	0.5	0	0.0	0	0.0
18-Jun	0	0.1	628	0.9	0	0.0	0	0.0
19-Jun	0	0.2	1,406	2.0	0	0.0	0	0.0
20-Jun	1	0.4	2,541	3.6	0	0.0	0	0.0
21-Jun	1	0.4	3,208	4.6	0	0.0	0	0.0
22-Jun	1	0.4	3,869	5.5	1	0.3	0	0.0
23-Jun	1	0.6	4,967	7.1	1	0.3	0	0.0
24-Jun	2	1.0	7,130	10.1	1	0.3	0	0.0
25-Jun	3	1.5	9,068	12.9	1	0.3	0	0.0
26-Jun	4	1.8	11,157	15.9	1	0.3	0	0.0
27-Jun	4	2.3	13,318	18.9	1	0.3	0	0.0
28-Jun	7	3.7	16,044	22.8	1	0.6	0	0.0
29-Jun	11	5.7	20,771	29.6	2	0.7	0	0.0
30-Jun	13	6.8	24,092	34.3	2	0.8	0	0.0
1-Jul	17	8.7	28,388	40.4	2	1.1	0	0.0
2-Jul	21	10.7	32,148	45.7	3	1.4	0	0.0
3-Jul	24	12.2	35,515	50.5	4	1.8	0	0.0
4-Jul	28	14.3	38,640	55.0	4	1.8	0	0.0
5-Jul	39	20.0	42,465	60.4	7	3.0	0	0.0
6-Jul	45	23.1	44,632	63.5	12	5.5	0	0.0
7-Jul	50	25.9	48,112	68.5	19	8.6	0	0.0
8-Jul	57	29.5	50,767	72.2	31	14.4	1	6.7
9-Jul	64	33.2	53,098	75.5	44	20.4	2	13.3
10-Jul	70	36.0	54,979	78.2	52	23.7	3	25.3
11-Jul	78	40.1	56,377	80.2	60	27.8	3	26.7
12-Jul	84	43.2	57,577	81.9	75	34.5	4	29.3
13-Jul	90	46.4	58,777	83.6	92	42.3	5	38.7
14-Jul	98	50.7	59,863	85.2	107	49.3	5	40.0
15-Jul	110	56.8	60,900	86.6	121	55.7	5	41.3
16-Jul	122	62.9	62,140	88.4	133	61.4	6	44.0
17-Jul	131	67.6	63,123	89.8	138	63.5	6	48.0
18-Jul	140	72.3	63,800	90.8	143	65.7	6	48.0
19-Jul	148	76.6	64,426	91.7	150	69.1	7	53.3

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Appendix G.4. (page 2 of 2)

Day	Chinook		Sockeye		Pink ^a		Chum ^a	
	Average	Average %	Average	Average %	Average	Average %	Average	Average %
20-Jul	154	79.4	64,879	92.3	155	71.5	8	62.7
21-Jul	160	82.6	65,668	93.4	165	75.9	9	72.0
22-Jul	167	86.4	66,448	94.5	177	81.4	10	82.7
23-Jul	178	92.0	67,198	95.6	187	86.0	12	93.3
24-Jul	190	98.2	67,709	96.3	205	94.2	12	96.0
25-Jul	194	100.0	68,223	97.1	216	99.6	13	100.0
26-Jul	194	100.0	68,786	97.9	217	100.0	13	100.0
27-Jul	194	100.0	69,286	98.6	217	100.0	13	100.0
28-Jul	194	100.0	69,786	99.3	217	100.0	13	100.0
29-Jul	194	100.0	70,143	99.8	217	100.0	13	100.0
30-Jul	194	100.0	70,214	99.9	217	100.0	13	100.0
31-Jul	194	100.0	70,286	100.0	217	100.0	13	100.0

^a Averages are based on the years 1994-1999.



Appendix G.5. Sandy River air temperature (data logger located in shade near ADFG cabin), 2000-2001.

Appendix H.1. Ilnik River cumulative escapement counts for chinook salmon by day, 1992-2001.

Day	Year									
	1992 ^a	1993 ^b	1994 ^c	1995 ^d	1996 ^e	1997 ^b	1998 ^f	1999 ^g	2000 ^g	2001 ^e
1-Jun	0	0	0	0	0	0	0	0	0	0
2-Jun	0	0	1	0	0	0	0	0	0	0
3-Jun	0	0	1	0	0	0	0	0	0	0
4-Jun	0	0	1	0	0	0	0	0	0	0
5-Jun	0	0	1	0	0	0	0	0	0	0
6-Jun	0	0	1	0	1	0	0	0	0	0
7-Jun	0	0	1	0	1	0	0	0	0	0
8-Jun	0	0	1	0	1	0	0	0	0	0
9-Jun	0	0	1	0	1	0	0	0	0	0
10-Jun	0	0	2	0	1	0	0	0	0	0
11-Jun	0	0	2	0	1	0	0	0	0	0
12-Jun	0	0	2	0	2	0	0	0	2	0
13-Jun	0	0	2	0	2	0	0	0	2	0
14-Jun	0	0	2	0	2	0	0	0	2	0
15-Jun	0	0	2	0	2	0	0	0	2	1
16-Jun	0	0	2	0	4	0	0	0	2	1
17-Jun	2	0	2	0	7	0	1	0	2	3
18-Jun	3	0	2	0	7	0	1	0	3	3
19-Jun	4	0	2	0	8	0	1	0	3	4
20-Jun	4	0	2	0	8	0	1	0	3	4
21-Jun	4	0	2	0	8	0	1	0	3	5
22-Jun	4	0	2	0	8	0	1	0	3	7
23-Jun	4	0	2	0	12	0	1	0	3	11
24-Jun	4	0	2	0	14	0	2	0	3	17
25-Jun	4	0	2	1	14	0	2	0	3	19
26-Jun	4	0	2	1	15	1	2	0	3	20
27-Jun	4	0	4	1	16	2	2	1	4	21
28-Jun	4	0	4	1	17	3	2	1	4	21
29-Jun	5	0	4	1	18	3	2	1	5	22
30-Jun	5	0	4	1	18	3	3	3	6	27
1-Jul	7	0	4	2	18	3	6	3	7	28
2-Jul	7	0	4	2	19	3	6	3	7	33
3-Jul	8	0	4	2	22	4	7	3	7	37
4-Jul	8	0	4	2	25	4	9	3	7	38
5-Jul	8	0	4	2	25	4	10	3	7	38
6-Jul	8	0	4	2	26	4	11	3	7	40
7-Jul	9	0	4	2	27	4	16	3	9	42
8-Jul	9	0	4	2	28	5	19	3	13	42
9-Jul	10	0	4	2	30	6	20	3	14	42
10-Jul	11	0	4	2	30	6	20	3	14	42
11-Jul	11	0	4	2	31	6	23	3	14	43
12-Jul	-	0	4	2	33	7	25	4	15	45
13-Jul	-	0	4	2	35	7	25	5	15	46
14-Jul	-	0	4	-	35	7	25	6	15	46
15-Jul	-	0	4	-	37	7	28	6	15	47
16-Jul	-	0	4	-	39	8	28	6	15	53
17-Jul	-	-	-	-	40	-	29	7	15	54
18-Jul	-	-	-	-	42	-	29	7	15	54
19-Jul	-	-	-	-	42	-	29	-	-	-
Total	11	0	4	2	42	8	29	7	15	54

^a Weir was removed on 12 July.

^b Weir was removed on 17 July.

^c Weir was removed on 16 July.

^d Weir was removed on 13 July.

^e Weir was removed on 19 July.

^f Weir was removed on 20 July.

Appendix H.2. Ililik River cumulative escapement counts for sockeye salmon by day, 1991-2001.

Day	Year										
	1991 ^a	1992 ^b	1993 ^c	1994 ^d	1995 ^e	1996 ^f	1997 ^g	1998 ^h	1999 ⁱ	2000 ^j	2001 ^k
26-May	0	0	4,860	0	0	0	-	0	-	-	-
27-May	0	0	4,865	0	0	0	-	0	-	-	0
28-May	0	0	4,980	0	0	0	-	0	-	-	224
29-May	0	0	5,106	0	0	0	0	0	0	427	666
30-May	0	0	5,258	13	0	0	400	30	0	735	940
31-May	0	68	5,275	98	0	0	796	89	0	1,211	1,336
1-Jun	0	179	5,424	236	1	0	1,315	129	279	1,366	1,415
2-Jun	0	214	5,476	383	30	8	1,512	136	481	1,407	2,057
3-Jun	0	240	5,657	478	104	393	1,577	151	776	4,029	2,202
4-Jun	596	490	5,805	526	143	851	1,936	151	973	4,799	2,523
5-Jun	1,427	678	6,105	584	145	1,292	2,086	156	1,181	5,451	2,716
6-Jun	2,258	975	6,405	584	275	2,234	4,469	158	1,268	5,511	3,234
7-Jun	2,288	1,220	6,705	620	424	3,351	5,863	158	2,089	6,591	3,675
8-Jun	2,616	1,454	7,011	739	464	3,518	6,267	162	2,396	7,463	4,155
9-Jun	3,251	1,770	7,441	886	621	4,196	6,519	172	2,429	8,023	4,485
10-Jun	3,324	2,541	8,274	1,160	926	4,512	6,819	184	3,365	8,192	5,239
11-Jun	3,326	2,801	8,535	1,386	1,091	5,944	6,979	237	3,843	8,884	5,730
12-Jun	3,700	2,956	9,071	1,745	1,538	6,785	8,121	327	4,002	17,033	6,462
13-Jun	4,044	3,705	10,391	2,052	2,197	7,955	8,572	446	4,436	18,646	6,832
14-Jun	4,165	4,193	11,162	2,307	2,334	9,615	9,931	649	5,276	19,536	7,846
15-Jun	4,412	4,588	12,621	2,510	2,732	12,895	12,688	1,333	7,303	19,927	9,325
16-Jun	4,836	5,711	14,664	2,661	3,145	12,969	13,113	1,533	8,359	20,464	11,003
17-Jun	6,134	6,193	16,688	2,888	3,331	15,067	14,480	2,111	8,990	22,450	13,326
18-Jun	6,643	7,122	20,850	3,045	3,972	15,433	14,952	2,859	9,164	31,682	15,068
19-Jun	7,343	8,660	24,957	3,896	4,149	17,543	16,043	4,154	9,186	36,143	17,338
20-Jun	10,160	9,428	29,009	4,905	4,695	18,704	17,249	5,641	9,290	41,194	18,338
21-Jun	11,490	11,083	30,928	6,143	4,780	20,018	19,434	6,898	10,640	46,912	19,782
22-Jun	12,514	12,880	32,609	7,980	5,291	22,196	20,670	7,966	11,030	49,991	21,411
23-Jun	13,898	14,089	37,216	10,148	6,038	24,433	22,037	8,812	12,326	53,933	26,331
24-Jun	15,455	17,187	40,792	12,938	7,026	26,992	26,778	10,459	14,514	56,361	28,017
25-Jun	17,506	18,977	44,320	15,728	8,708	28,448	29,869	11,130	16,834	56,885	30,527

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Appendix H.2. (page 2 of 3)

Day	Year										
	1991 ^a	1992 ^b	1993 ^c	1994 ^d	1995 ^e	1996 ^f	1997 ^g	1998 ^h	1999 ⁱ	2000 ^j	2001 ^k
26-Jun	24,108	19,246	47,872	19,342	9,972	31,572	31,936	11,515	17,760	57,681	32,144
27-Jun	32,551	20,356	49,475	21,308	10,979	36,561	35,003	12,839	24,260	58,278	33,956
28-Jun	38,464	21,167	50,950	25,103	11,883	40,711	37,597	13,994	26,421	61,020	34,659
29-Jun	42,439	21,572	53,888	28,344	12,684	42,835	42,411	15,541	30,058	64,503	35,510
30-Jun	43,873	22,568	55,873	31,516	14,629	44,048	44,924	18,184	35,238	69,386	36,320
1-Jul	45,207	23,616	57,642	33,282	15,845	46,915	50,638	21,053	38,176	70,817	37,398
2-Jul	47,281	25,420	58,072	35,697	18,263	48,935	55,411	23,693	40,966	78,101	38,178
3-Jul	54,826	26,733	58,841	38,109	21,751	51,338	59,122	24,912	49,908	82,829	40,022
4-Jul	65,548	28,051	59,814	39,730	24,641	54,113	62,661	26,480	53,042	85,447	43,934
5-Jul	81,846	29,062	60,538	43,839	25,996	55,455	66,984	29,487	57,482	87,532	45,128
6-Jul	98,195	29,679	61,047	44,290	26,998	56,202	69,635	31,612	58,907	88,967	47,020
7-Jul	107,106	30,489	61,950	45,810	28,198	56,881	71,252	35,895	60,303	89,740	48,717
8-Jul	112,509	31,874	62,358	48,948	28,998	57,847	72,456	38,385	60,538	90,617	49,905
9-Jul	119,669	33,003	62,660	51,013	29,683	58,501	73,040	40,175	62,854	91,383	50,230
10-Jul	121,506	35,775	62,924	52,638	30,252	59,040	73,909	40,988	64,214	91,682	51,267
11-Jul	123,250	36,765	63,619	55,616	30,989	59,329	74,352	42,061	65,029	92,173	52,016
12-Jul	126,000	45,000	64,380	57,891	31,662	59,391	74,951	43,113	65,302	92,712	52,340
13-Jul	128,000	45,000	65,511	60,426	32,883	59,646	75,604	44,397	67,737	93,212	52,660
14-Jul	130,000	45,000	66,147	65,571	34,237	59,836	75,865	45,615	69,725	93,514	53,219
15-Jul	132,000	45,000	66,924	67,872	35,477	59,976	76,256	46,180	70,592	94,101	53,990
16-Jul	134,000	45,000	67,352	70,367	36,659	60,228	77,031	47,177	70,922	94,352	54,908
17-Jul	135,000	45,000	70,000	72,024	37,440	60,529	77,500	47,536	71,405	94,452	55,355
18-Jul	135,000	45,000	70,000	73,099	38,060	60,888	78,000	47,784	72,501	94,514	55,557
19-Jul	135,000	45,000	70,000	75,000	38,575	60,927	78,500	48,050	73,000	94,700	56,000
20-Jul	135,000	45,000	70,000	75,000	39,000	61,000	79,000	48,500	73,500	94,800	56,500
21-Jul	135,000	45,000	70,000	75,000	39,000	61,250	79,500	49,000	74,000	94,900	57,000
22-Jul	135,000	45,000	70,000	75,000	39,000	61,500	80,000	49,500	74,500	95,000	57,500
23-Jul	135,000	45,000	70,000	75,000	39,000	61,750	80,500	50,000	75,000	95,000	58,000
24-Jul	135,000	45,000	70,000	75,000	39,000	62,000	81,000	50,000	75,000	95,000	58,000
25-Jul	135,000	45,000	70,000	75,000	39,000	62,000	81,500	50,000	75,000	95,000	58,000
26-Jul	135,000	45,000	70,000	75,000	39,000	62,000	82,000	50,000	75,000	95,000	58,000

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Appendix H.2. (page 3 of 3)

Day	Year										
	1991 ^a	1992 ^b	1993 ^c	1994 ^d	1995 ^e	1996 ^f	1997 ^g	1998 ^h	1999 ⁱ	2000 ^j	2001 ^k
27-Jul	135,000	45,000	70,000	75,000	39,000	62,000	82,000	50,000	75,000	95,000	58,000
28-Jul	135,000	45,000	70,000	75,000	39,000	62,000	82,000	50,000	75,000	95,000	58,000
29-Jul	135,000	45,000	70,000	75,000	39,000	62,000	82,000	50,000	75,000	95,000	58,000
30-Jul	135,000	45,000	70,000	75,000	39,000	62,000	82,000	50,000	75,000	95,000	58,000
31-Jul	135,000	45,000	70,000	75,000	39,000	62,000	82,000	50,000	75,000	95,000	58,000
Total	135,000	45,000	70,000	75,000	39,000	62,000	82,000	50,000	75,000	95,000	58,000

^a Includes postweir estimate of 11,750 salmon, weir was removed on 12 July.

^b Includes postweir estimate of 8,235 salmon, weir was removed on 12 July.

^c Includes pre and postweir estimate of 7,508 salmon; weir was installed on 27 May and removed on 17 July.

^d Includes postweir estimate of 7,128 salmon, weir was removed on 16 July.

^e Includes postweir estimate of 6,117 salmon, weir was removed on 14 July.

^f Includes postweir estimate of 1,073 salmon, weir was removed on 19 July.

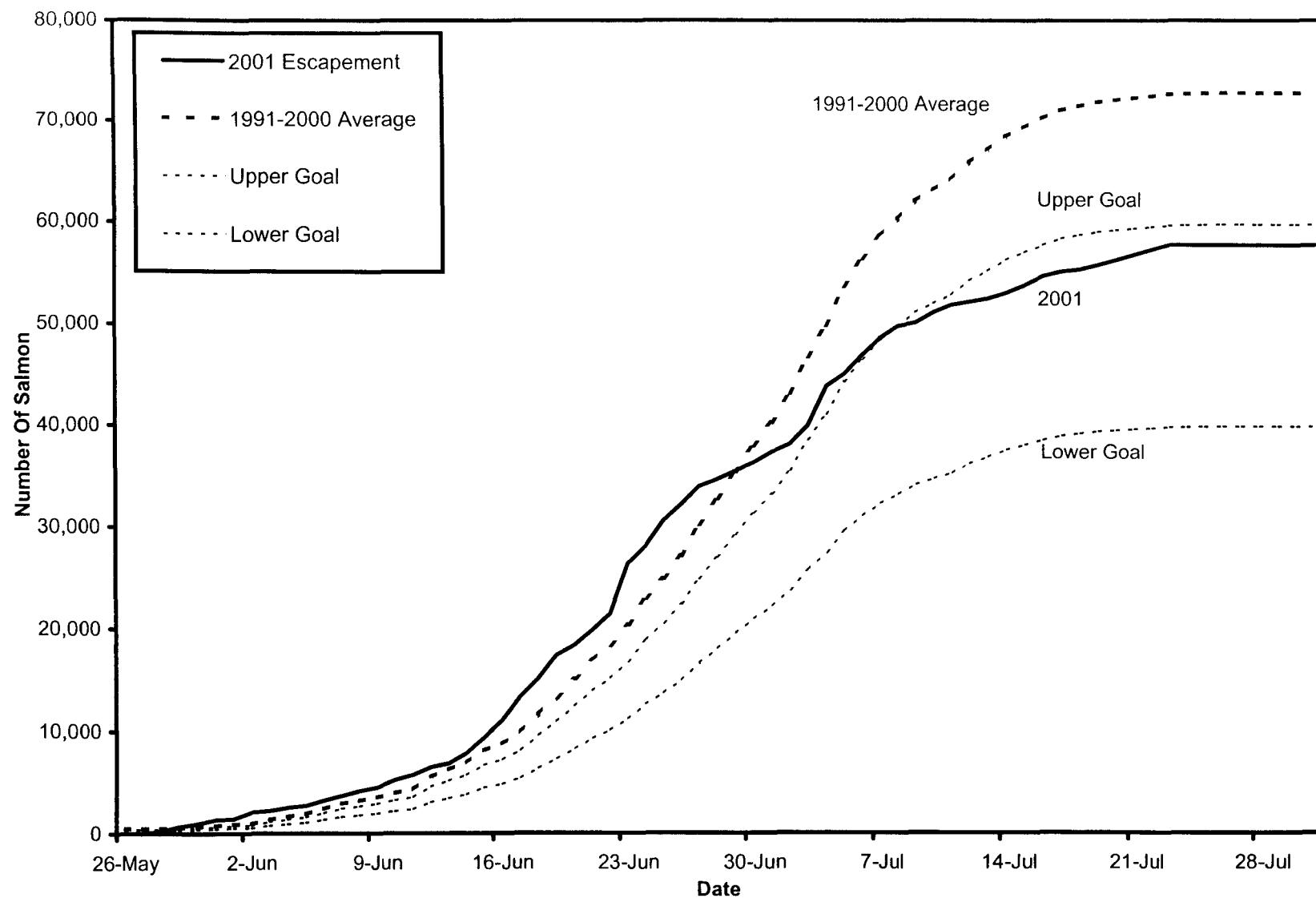
^g Includes postweir estimate of 4,969 salmon, weir was removed on 17 July.

^h Includes postweir estimate of 1,950 salmon, weir was removed on 20 July.

ⁱ Includes postweir estimate of 2,499 salmon, weir was removed on 18 July.

^j Includes postweir estimate of 486 salmon, weir was removed on 18 July.

^k Includes postweir estimate of 2,443 salmon, weir was removed on 19 July.



Appendix H.3. Comparison of the Ilnik River sockeye escapement goals to the 1991-2000 average escapement and the 2001 escapement.

Appendix H.4. Ilnik River cumulative escapement counts for pink salmon by day, 1992-2001.

Day	Year									
	1992 ^a	1993 ^b	1994 ^c	1995 ^d	1996 ^e	1997 ^b	1998 ^f	1999 ^g	2000 ^g	2001 ^e
18-Jun	0	0	0	0	0	0	0	0	3	0
19-Jun	0	0	0	0	0	0	0	0	3	0
20-Jun	0	0	0	0	0	0	0	0	4	0
21-Jun	0	0	0	0	0	0	0	0	4	0
22-Jun	0	0	0	0	0	0	0	0	4	0
23-Jun	0	0	0	0	0	0	0	0	4	0
24-Jun	0	0	0	0	0	0	0	0	4	0
25-Jun	0	0	0	0	0	0	0	0	4	0
26-Jun	0	0	0	0	0	0	0	0	4	0
27-Jun	0	0	0	0	0	0	0	0	4	0
28-Jun	0	0	0	0	0	0	0	0	6	0
29-Jun	0	0	0	0	0	0	0	0	6	0
30-Jun	0	0	0	0	0	0	0	0	7	0
1-Jul	0	0	0	0	0	0	0	1	7	0
2-Jul	0	0	0	0	0	0	0	1	9	0
3-Jul	1	0	0	0	1	0	0	2	11	0
4-Jul	1	0	0	0	1	0	0	4	11	0
5-Jul	1	0	0	0	3	0	0	6	13	0
6-Jul	12	0	0	0	5	0	0	8	19	0
7-Jul	12	0	0	0	6	0	0	8	32	0
8-Jul	12	0	0	0	12	0	2	8	47	1
9-Jul	12	0	0	0	13	0	3	8	60	1
10-Jul	18	0	0	0	14	0	4	8	62	2
11-Jul	18	0	0	0	14	0	5	8	63	2
12-Jul	-	0	0	0	15	0	13	8	64	2
13-Jul	-	0	0	0	15	1	17	11	82	4
14-Jul	-	0	0	0	16	1	26	12	94	4
15-Jul	-	0	0	-	18	3	37	12	107	6
16-Jul	-	0	0	-	22	-	57	27	108	10
17-Jul	-	-	-	-	27	-	59	44	108	19
18-Jul	-	-	-	-	28	-	63	44	108	25
19-Jul	-	-	-	-	28	-	79	-	-	-
Total	18	0	0	0	28	3	79	44	108	25

^a Weir was removed on 12 July.

^b Weir was removed on 17 July.

^c Weir was removed on 16 July.

^d Weir was removed on 14 July.

^e Weir was removed on 19 July.

Weir was removed on 20 July.

^f Weir was removed on 18 July.

Appendix H.5. Ililik River average escapement by species and day.

Day	Chinook ^a		Sockeye ^b		Pink ^a		Chum ^a	
	Average	Average %	Average	Average %	Average	Average %	Average	Average %
26-May	0	0.0	486	0.7	0	0.0	0	0.0
27-May	0	0.0	487	0.7	0	0.0	0	0.0
28-May	0	0.0	498	0.7	0	0.0	0	0.0
29-May	0	0.0	553	0.8	0	0.0	0	0.0
30-May	0	0.0	644	0.9	0	0.0	0	0.0
31-May	0	0.0	754	1.0	0	0.0	0	0.0
1-Jun	0	0.0	893	1.2	0	0.0	0	0.0
2-Jun	0	0.8	965	1.3	0	0.0	0	0.0
3-Jun	0	0.8	1,341	1.8	0	0.0	0	0.0
4-Jun	0	0.8	1,627	2.2	0	0.0	0	0.0
5-Jun	0	0.8	1,911	2.6	0	0.0	0	0.0
6-Jun	0	1.7	2,414	3.3	0	0.0	0	0.0
7-Jun	0	1.7	2,931	4.0	0	0.0	0	0.0
8-Jun	0	1.7	3,209	4.4	0	0.0	0	0.0
9-Jun	0	1.7	3,531	4.9	0	0.0	0	0.0
10-Jun	0	2.5	3,930	5.4	0	0.0	0	0.0
11-Jun	0	2.5	4,303	5.9	0	0.0	0	0.0
12-Jun	1	5.1	5,528	7.6	0	0.0	0	0.0
13-Jun	1	5.1	6,244	8.6	0	0.0	0	0.0
14-Jun	1	5.1	6,917	9.5	0	0.0	0	0.0
15-Jun	1	5.1	8,101	11.1	0	0.0	0	0.0
16-Jun	1	6.8	8,746	12.0	0	0.0	0	0.0
17-Jun	2	11.9	9,833	13.5	0	0.0	0	0.0
18-Jun	2	13.6	11,572	15.9	0	1.1	0	0.0
19-Jun	2	15.3	13,207	18.1	0	1.1	0	0.0
20-Jun	2	15.3	15,028	20.6	0	1.4	0	0.0
21-Jun	2	15.3	16,833	23.1	0	1.4	0	0.0
22-Jun	2	15.3	18,313	25.2	0	1.4	0	0.0
23-Jun	2	18.6	20,293	27.9	0	1.4	0	0.0
24-Jun	3	21.2	22,850	31.4	0	1.4	0	0.0
25-Jun	3	22.0	24,841	34.1	0	1.4	0	0.0
26-Jun	3	23.7	27,100	37.2	0	1.4	0	0.0
27-Jun	4	28.8	30,161	41.4	0	1.4	0	0.0
28-Jun	4	30.5	32,731	45.0	1	2.1	0	0.0
29-Jun	4	33.1	35,428	48.7	1	2.1	0	0.0
30-Jun	5	36.4	38,024	52.2	1	2.5	0	0.0
1-Jul	6	42.4	40,319	55.4	1	2.9	0	0.0
2-Jul	6	43.2	43,184	59.3	1	3.6	0	0.0
3-Jul	6	48.3	46,837	64.3	2	5.4	0	0.0
4-Jul	7	52.5	49,953	68.6	2	6.1	0	0.0
5-Jul	7	53.4	53,822	73.9	3	8.2	0	0.0
6-Jul	7	55.1	56,553	77.7	5	15.7	0	0.0
7-Jul	8	62.7	58,762	80.7	6	20.7	0	0.0
8-Jul	9	70.3	60,453	83.0	9	28.9	0	0.0
9-Jul	10	75.4	62,198	85.4	11	34.3	0	0.0

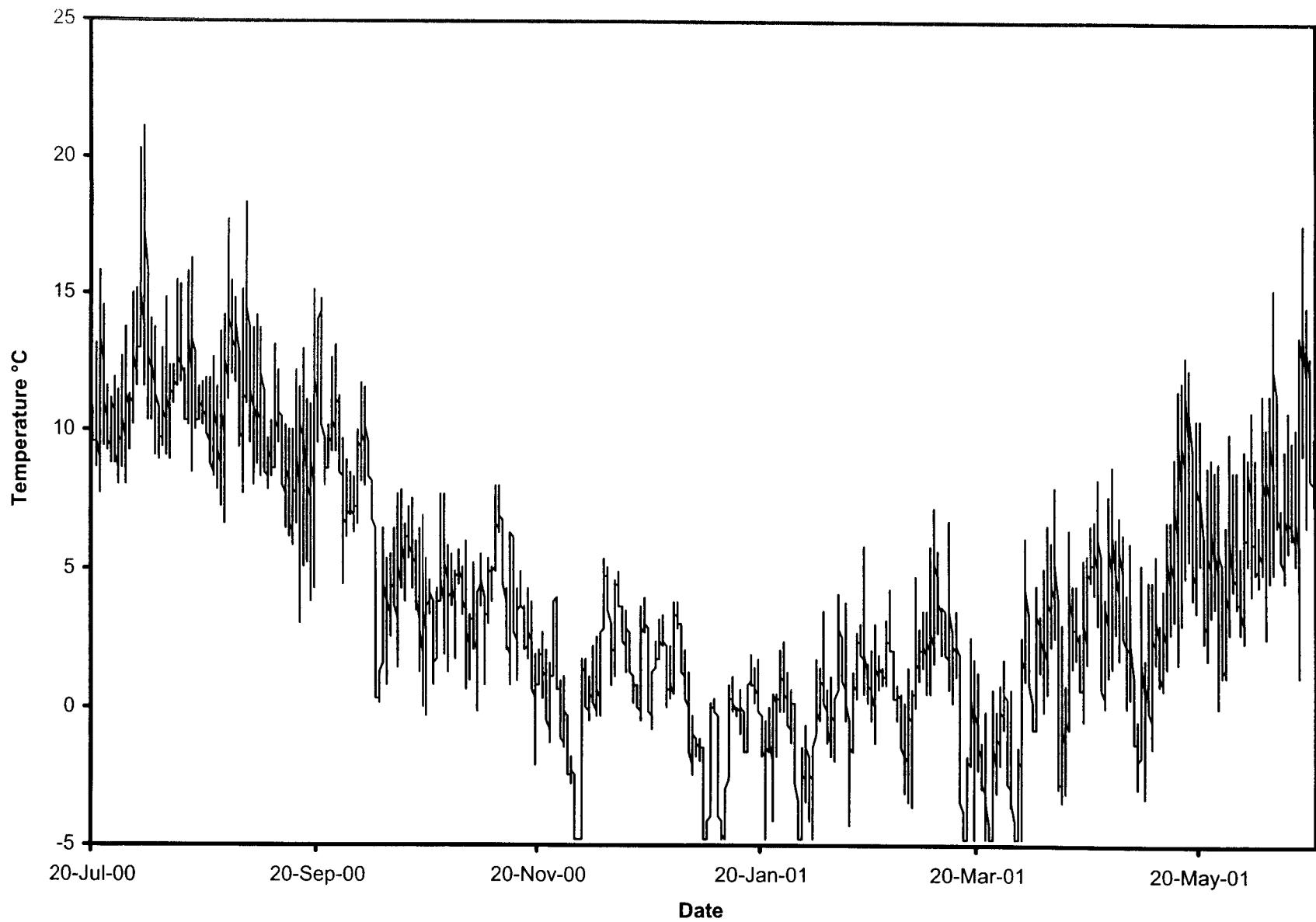
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Appendix H.5. (page 2 of 2)

Day	Chinook ^a		Sockeye ^b		Pink ^a		Chum ^a	
	Average	Average %	Average	Average %	Average	Average %	Average	Average %
10-Jul	10	76.3	63,293	86.9	12	37.9	0	0.0
11-Jul	10	79.7	64,318	88.3	12	38.6	0	0.0
12-Jul	11	85.6	66,040	90.7	13	42.1	0	0.0
13-Jul	12	88.1	67,242	92.4	16	51.4	0	0.0
14-Jul	12	89.0	68,551	94.2	19	59.6	0	0.0
15-Jul	12	93.2	69,438	95.4	22	69.6	0	0.0
16-Jul	13	95.8	70,309	96.6	26	83.9	0	0.0
17-Jul	13	98.3	71,089	97.6	29	92.5	0	0.0
18-Jul	13	100.0	71,485	98.2	29	94.3	0	0.0
19-Jul	13	100.0	71,875	98.7	31	100.0	0	0.0
20-Jul	13	100.0	72,080	99.0	31	100.0	0	0.0
21-Jul	13	100.0	72,265	99.3	31	100.0	0	0.0
22-Jul	13	100.0	72,450	99.5	31	100.0	0	0.0
23-Jul	13	100.0	72,625	99.8	31	100.0	0	0.0
24-Jul	13	100.0	72,700	99.9	31	100.0	0	0.0
25-Jul	13	100.0	72,750	99.9	31	100.0	0	0.0
26-Jul	13	100.0	72,800	100.0	31	100.0	0	0.0
27-Jul	13	100.0	72,800	100.0	31	100.0	0	0.0
28-Jul	13	100.0	72,800	100.0	31	100.0	0	0.0
29-Jul	13	100.0	72,800	100.0	31	100.0	0	0.0
30-Jul	13	100.0	72,800	100.0	31	100.0	0	0.0
31-Jul	13	100.0	72,800	100.0	31	100.0	0	0.0

^a Average value uses the years 1992-2000.

^b Average value uses the years 1991-2000.



Appendix H.6. Ilnik River air temperature (data logger in shade in ADFG shed), 2000-2001.

Appendix I.1. Summer Bay Lake cumulative escapement counts for sockeye salmon by day, 1998-2001.

Date	Year				1998-2000	
	1998 ^a	1999 ^b	2000 ^c	2001 ^d	Average	Average %
1-Jun	0	0	-	0	0	0.0
2-Jun	0	9	-	0	3	0.1
3-Jun	0	11	-	3	4	0.1
4-Jun	0	11	-	3	4	0.1
5-Jun	0	23	-	15	8	0.2
6-Jun	0	36	-	58	12	0.4
7-Jun	0	50	-	74	17	0.5
8-Jun	0	52	-	76	17	0.6
9-Jun	0	69	-	90	23	0.7
10-Jun	0	115	-	196	38	1.2
11-Jun	0	128	-	224	43	1.4
12-Jun	1	143	-	259	48	1.6
13-Jun	1	153	-	299	51	1.7
14-Jun	7	166	-	330	58	1.9
15-Jun	7	182	-	344	63	2.0
16-Jun	7	188	-	372	65	2.1
17-Jun	8	202	-	453	70	2.3
18-Jun	59	212	-	561	90	2.9
19-Jun	59	218	-	662	92	3.0
20-Jun	113	276	-	694	130	4.2
21-Jun	125	299	-	699	141	4.6
22-Jun	139	311	-	764	150	4.9
23-Jun	179	343	300	824	274	8.9
24-Jun	179	428	312	908	306	10.0
25-Jun	206	494	354	946	351	11.4
26-Jun	213	539	389	1,012	380	12.4
27-Jun	252	616	452	1,084	440	14.3
28-Jun	274	654	462	1,269	463	15.1
29-Jun	288	765	484	1,397	512	16.7
30-Jun	315	805	1,043	1,505	721	23.5
1-Jul	347	943	1,061	1,524	784	25.5
2-Jul	398	956	1,095	1,552	816	26.6
3-Jul	478	993	1,107	1,665	859	28.0
4-Jul	544	1,385	1,133	1,688	1,021	33.2
5-Jul	602	1,410	1,170	1,800	1,061	34.5
6-Jul	604	1,455	1,174	1,851	1,078	35.1
7-Jul	618	1,646	1,195	1,928	1,153	37.5
8-Jul	653	1,750	1,209	1,987	1,204	39.2
9-Jul	674	1,879	1,328	2,092	1,294	42.1
10-Jul	693	1,967	1,436	2,202	1,365	44.4
11-Jul	748	2,108	1,637	2,476	1,498	48.7
12-Jul	803	2,128	1,679	2,607	1,537	50.0
13-Jul	803	2,263	1,708	3,048	1,591	51.8
14-Jul	829	2,315	1,770	3,059	1,638	53.3

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Date	Year				1998-2000	
	1998 ^a	1999 ^b	2000 ^c	2001 ^d	Average	Average %
15-Jul	910	2,368	1,813	3,146	1,697	55.2
16-Jul	1,628	2,403	1,888	3,177	1,973	64.2
17-Jul	1,712	2,456	1,979	3,239	2,049	66.7
18-Jul	1,746	2,553	2,008	3,253	2,102	68.4
19-Jul	1,797	2,586	2,081	3,350	2,155	70.1
20-Jul	1,845	2,663	2,095	3,399	2,201	71.6
21-Jul	1,890	2,756	2,142	3,602	2,263	73.6
22-Jul	1,930	2,795	2,254	3,747	2,326	75.7
23-Jul	1,950	2,839	2,505	3,830	2,431	79.1
24-Jul	1,999	2,885	2,673	3,965	2,519	82.0
25-Jul	2,021	2,908	2,728	4,049	2,552	83.0
26-Jul	2,063	2,935	2,750	4,342	2,583	84.0
27-Jul	2,098	2,976	2,768	4,377	2,614	85.0
28-Jul	2,117	2,990	2,790	4,435	2,632	85.6
29-Jul	2,117	3,039	2,805	4,504	2,654	86.3
30-Jul	2,117	3,065	2,845	4,572	2,676	87.1
31-Jul	2,140	3,102	2,879	4,611	2,707	88.1
1-Aug	2,140	3,106	2,914	4,743	2,720	88.5
2-Aug	2,240	3,119	2,940	4,800	2,766	90.0
3-Aug	2,244	3,164	2,999	4,924	2,802	91.2
4-Aug	2,304	3,174	3,034	4,955	2,837	92.3
5-Aug	2,357	3,174	3,051	4,981	2,861	93.1
6-Aug	2,379	3,190	3,056	5,052	2,875	93.5
7-Aug	2,384	3,219	3,069	5,132	2,891	94.0
8-Aug	2,386	3,236	3,077	5,157	2,900	94.3
9-Aug	2,436	3,256	3,085	5,176	2,926	95.2
10-Aug	2,464	3,266	3,091	5,193	2,940	95.7
11-Aug	2,520	3,275	3,094	5,216	2,963	96.4
12-Aug	2,522	3,286	3,100	5,222	2,969	96.6
13-Aug	2,529	3,297	3,106	5,237	2,977	96.9
14-Aug	2,540	3,300	3,111	5,245	2,984	97.1
15-Aug	2,551	3,307	3,119	5,249	2,992	97.4
16-Aug	2,555	3,311	3,125	5,260	2,997	97.5
17-Aug	2,562	3,324	3,128	5,295	3,005	97.8
18-Aug	2,572	3,330	3,133	5,305	3,012	98.0
19-Aug	2,574	3,332	3,142	5,308	3,016	98.1
20-Aug	2,599	3,339	3,149	5,313	3,029	98.5
21-Aug	2,605	3,339	3,158	5,316	3,034	98.7
22-Aug	2,611	3,340	3,163	5,327	3,038	98.8
23-Aug	2,611	3,342	3,164	5,338	3,039	98.9
24-Aug	2,613	3,350	3,166	5,348	3,043	99.0
25-Aug	2,613	3,351	3,166	5,350	3,043	99.0
26-Aug	2,620	3,352	3,167	5,350	3,046	99.1
27-Aug	2,620	3,354	3,171	5,354	3,048	99.2
28-Aug	2,622	3,356	3,172	5,357	3,050	99.2

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Appendix I.1. (page 3 of 3)

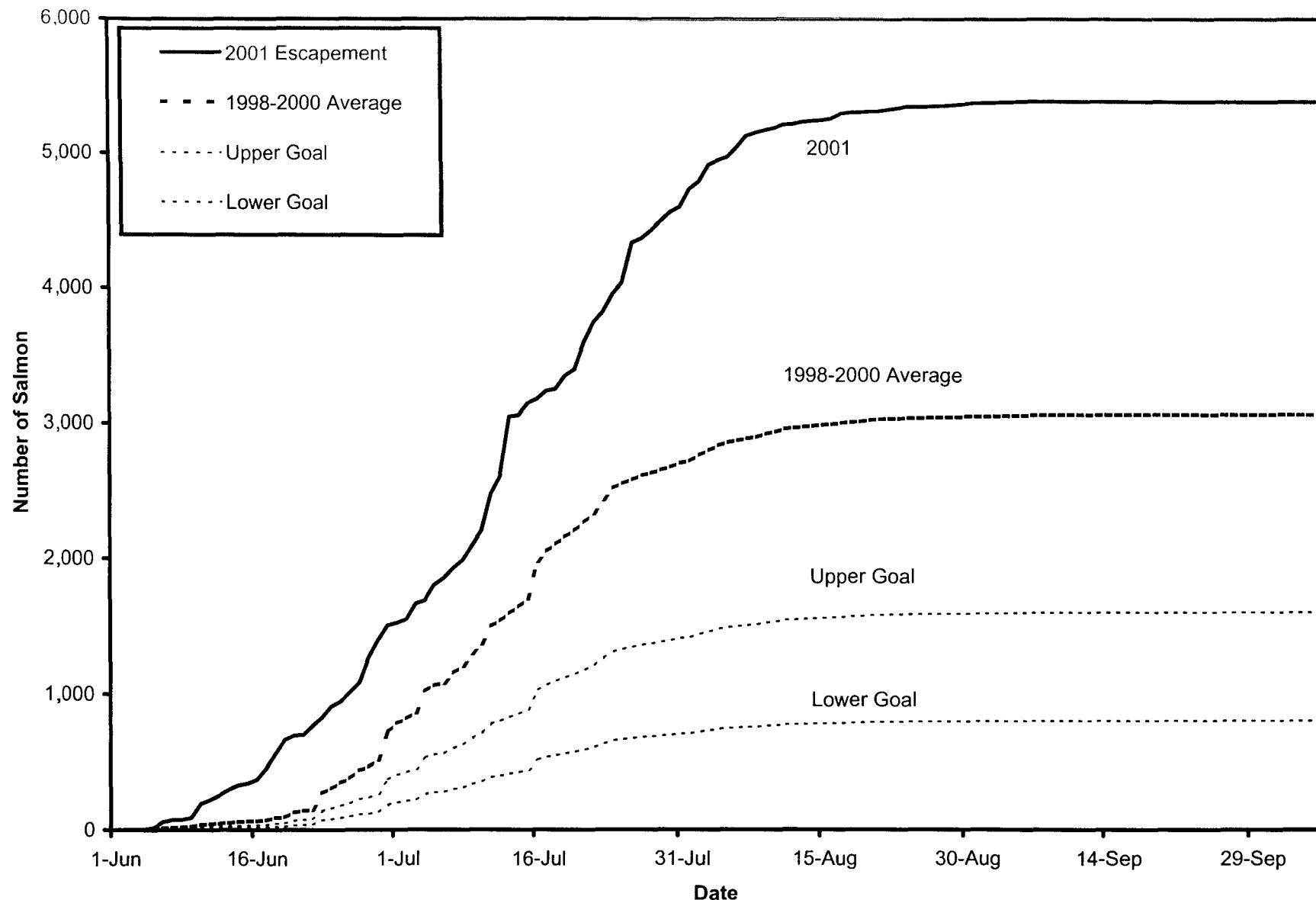
Date	Year				1998-2000	
	1998 ^a	1999 ^b	2000 ^c	2001 ^d	Average	Average %
29-Aug	2,623	3,359	3,173	5,363	3,052	99.3
30-Aug	2,623	3,362	3,174	5,369	3,053	99.3
31-Aug	2,625	3,362	3,178	5,376	3,055	99.4
1-Sep	2,628	3,363	3,178	5,379	3,056	99.4
2-Sep	2,629	3,366	3,180	5,380	3,058	99.5
3-Sep	2,630	3,366	3,182	5,383	3,059	99.5
4-Sep	2,631	3,368	3,185	5,384	3,061	99.6
5-Sep	2,631	3,368	3,189	5,388	3,063	99.6
6-Sep	2,631	3,371	3,191	5,388	3,064	99.7
7-Sep	2,633	3,374	3,194	5,388	3,067	99.8
8-Sep	2,633	3,374	3,194	5,388	3,067	99.8
9-Sep	2,635	3,375	3,194	5,388	3,068	99.8
10-Sep	2,639	-	3,195	5,388	3,070	99.9
11-Sep	2,639	-	3,195	-	3,070	99.9
12-Sep	2,639	-	3,195	-	3,070	99.9
13-Sep	2,640	-	3,195	-	3,070	99.9
14-Sep	2,640	-	3,196	-	3,070	99.9
15-Sep	2,641	-	3,198	-	3,071	99.9
16-Sep	2,641	-	3,200	-	3,072	99.9
17-Sep	2,641	-	3,200	-	3,072	99.9
18-Sep	2,641	-	3,201	-	3,072	100.0
19-Sep	2,641	-	3,201	-	3,072	100.0
20-Sep	2,641	-	3,201	-	3,072	100.0
21-Sep	2,641	-	3,201	-	3,072	100.0
22-Sep	2,641	-	3,201	-	3,072	100.0
23-Sep	2,641	-	3,202	-	3,073	100.0
24-Sep	-	-	3,202	-	3,073	100.0
25-Sep	-	-	3,202	-	3,073	100.0
26-Sep	-	-	3,202	-	3,073	100.0
27-Sep	-	-	3,203	-	3,073	100.0
28-Sep	-	-	3,204	-	3,073	100.0
29-Sep	-	-	3,204	-	3,073	100.0
30-Sep	-	-	3,204	-	3,073	100.0
1-Oct	-	-	3,204	-	3,073	100.0
2-Oct	-	-	3,204	-	3,073	100.0
3-Oct	-	-	3,204	-	3,073	100.0
4-Oct	-	-	3,205	-	3,074	100.0
5-Oct	-	-	3,205	-	3,074	100.0
6-Oct	-	-	3,205	-	3,074	100.0
Total	2,641	3,375	3,205	5,388	3,074	100.0

^a Weir was removed on 23 September.

^b Weir was removed on 9 September. Escapement includes 100 salmon killed for GSI sample from 8 through 11 August.

^c Weir was removed on 6 October. Escapement includes 300 salmon that passed upstream prior to installing the weir.

^d Weir was washed out on September 11.



Appendix I.2. Comparison of the Summer Bay Lake sockeye escapement goals to the 1998-2000 average escapement and the 2001 escapement.

Appendix I.3. Summer Bay Lake cumulative escapement counts for coho salmon by day, 1998-2001.

Date	Year				1998-2000	
	1998 ^a	1999 ^b	2000 ^c	2001 ^d	Average	Average %
10-Aug	0	0	0	0	0	0.0
11-Aug	0	0	0	0	0	0.0
12-Aug	0	0	0	0	0	0.0
13-Aug	0	0	0	0	0	0.0
14-Aug	0	0	0	0	0	0.0
15-Aug	0	0	0	0	0	0.0
16-Aug	0	1	2	0	1	0.5
17-Aug	1	1	6	0	3	1.4
18-Aug	1	1	6	0	3	1.4
19-Aug	1	1	11	0	4	2.3
20-Aug	1	2	12	1	5	2.7
21-Aug	1	2	19	1	7	3.9
22-Aug	1	2	25	2	9	5.0
23-Aug	1	3	27	3	10	5.5
24-Aug	2	6	28	4	12	6.4
25-Aug	2	6	30	4	13	6.8
26-Aug	11	8	33	4	17	9.3
27-Aug	14	9	42	4	22	11.6
28-Aug	18	11	45	4	25	13.2
29-Aug	22	11	56	4	30	15.9
30-Aug	30	13	71	8	38	20.4
31-Aug	36	13	84	12	44	23.8
1-Sep	41	13	92	13	49	26.1
2-Sep	47	13	116	14	59	31.4
3-Sep	50	14	123	15	62	33.4
4-Sep	53	16	128	20	66	35.2
5-Sep	54	16	146	22	72	38.6
6-Sep	55	16	161	22	77	41.4
7-Sep	57	16	173	23	82	43.9
8-Sep	58	16	191	23	88	47.3
9-Sep	60	20	209	23	96	51.6
10-Sep	64	-	219	23	101	54.1
11-Sep	71	-	230	-	107	57.3
12-Sep	74	-	244	-	113	60.4
13-Sep	86	-	266	-	124	66.4
14-Sep	88	-	277	-	128	68.8
15-Sep	89	-	293	-	134	71.8
16-Sep	91	-	304	-	138	74.1
17-Sep	94	-	313	-	142	76.3
18-Sep	97	-	317	-	145	77.5
19-Sep	97	-	317	-	145	77.5
20-Sep	97	-	321	-	146	78.2
21-Sep	100	-	322	-	147	78.9

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Appendix I.3. (page 2 of 2)

Date	1998 ^a	1999 ^b	Year 2000 ^c	2001 ^d	1998-2000	
					Average	Average %
22-Sep	100	-	323	-	148	79.1
23-Sep	101	-	328	-	150	80.2
24-Sep	-	-	334	-	152	81.3
25-Sep	-	-	342	-	154	82.7
26-Sep	-	-	346	-	156	83.4
27-Sep	-	-	348	-	156	83.8
28-Sep	-	-	351	-	157	84.3
29-Sep	-	-	355	-	159	85.0
30-Sep	-	-	357	-	159	85.4
1-Oct	-	-	358	-	160	85.5
2-Oct	-	-	362	-	161	86.3
3-Oct	-	-	380	-	167	89.5
4-Oct	-	-	393	-	171	91.8
5-Oct	-	-	401	-	174	93.2
6-Oct	-	-	401	-	174	93.2
7-Oct	-	-	420	-	180	96.6
8-Oct	-	-	439	-	187	100.0
Total	101	20	439	23	187	100.0

^a Weir was removed on 23 September.

^b Weir was removed on 9 September.

^c Weir was removed on 6 October.

^d Weir washed out on 11 September.

Appendix I.4. Summer Bay Lake cumulative escapement counts for pink salmon by day, 1998-2001.

Date	Year				1998-2000	
	1998 ^a	1999 ^b	2000 ^c	2001 ^d	Average	Average %
11-Jul	0	0	1	0	0	0.0
12-Jul	0	0	1	0	0	0.0
13-Jul	0	0	1	0	0	0.0
14-Jul	0	0	1	0	0	0.0
15-Jul	0	0	1	0	0	0.0
16-Jul	0	0	1	0	0	0.0
17-Jul	0	0	3	0	1	0.0
18-Jul	0	0	4	0	1	0.0
19-Jul	0	0	6	0	2	0.0
20-Jul	0	0	7	0	2	0.0
21-Jul	0	0	8	0	3	0.0
22-Jul	3	0	26	0	10	0.2
23-Jul	3	0	45	0	16	0.3
24-Jul	8	0	57	0	22	0.4
25-Jul	10	0	59	0	23	0.4
26-Jul	11	0	62	10	24	0.4
27-Jul	11	2	64	12	26	0.4
28-Jul	11	2	66	15	26	0.5
29-Jul	11	3	73	17	29	0.5
30-Jul	11	4	77	17	31	0.5
31-Jul	12	11	95	17	39	0.7
1-Aug	12	11	168	17	64	1.1
2-Aug	762	12	600	18	458	7.9
3-Aug	762	13	978	28	584	10.0
4-Aug	1,532	13	1,235	31	927	15.9
5-Aug	2,047	13	1,299	46	1,120	19.2
6-Aug	2,430	15	1,331	56	1,259	21.6
7-Aug	2,431	15	1,362	81	1,269	21.8
8-Aug	2,431	17	1,416	105	1,288	22.1
9-Aug	2,840	17	1,486	107	1,448	24.9
10-Aug	2,858	20	1,541	117	1,473	25.3
11-Aug	3,106	22	1,590	118	1,573	27.0
12-Aug	3,106	28	1,733	120	1,622	27.9
13-Aug	3,188	29	1,776	130	1,664	28.6
14-Aug	3,304	30	1,950	133	1,761	30.3
15-Aug	3,321	34	2,135	152	1,830	31.4
16-Aug	3,345	37	2,290	183	1,891	32.5
17-Aug	3,368	45	2,457	266	1,957	33.6
18-Aug	3,753	65	2,846	369	2,221	38.2
19-Aug	3,863	82	3,132	390	2,359	40.5
20-Aug	3,981	121	3,533	455	2,545	43.7
21-Aug	4,156	150	3,823	550	2,710	46.6
22-Aug	4,786	173	3,963	595	2,974	51.1
23-Aug	5,206	229	4,048	822	3,161	54.3

-Continued-

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Date	Year				1998-2000	
	1998 ^a	1999 ^b	2000 ^c	2001 ^d	Average	Average %
24-Aug	5,519	289	4,289	1,055	3,366	57.8
25-Aug	5,519	391	4,401	1,251	3,437	59.1
26-Aug	5,782	560	4,595	1,502	3,646	62.6
27-Aug	5,843	611	4,750	1,806	3,735	64.2
28-Aug	5,912	874	5,723	2,101	4,170	71.7
29-Aug	6,107	1,153	6,141	2,430	4,467	76.8
30-Aug	6,265	1,162	6,289	2,620	4,572	78.6
31-Aug	6,537	1,335	6,433	2,789	4,768	81.9
1-Sep	6,603	1,474	6,586	3,056	4,888	84.0
2-Sep	6,635	1,560	6,713	3,301	4,969	85.4
3-Sep	6,725	1,702	6,912	3,544	5,113	87.9
4-Sep	6,780	1,781	7,061	3,641	5,207	89.5
5-Sep	6,809	1,831	7,270	3,714	5,303	91.1
6-Sep	6,819	1,926	7,407	3,844	5,384	92.5
7-Sep	6,932	1,962	7,542	3,922	5,479	94.1
8-Sep	7,048	2,015	7,601	3,994	5,555	95.5
9-Sep	7,139	2,050	7,642	4,057	5,610	96.4
10-Sep	7,251	2,250	7,690	4,114	5,730	98.5
11-Sep	7,258	-	7,741	-	5,750	98.8
12-Sep	7,265	-	7,768	-	5,761	99.0
13-Sep	7,272	-	7,786	-	5,769	99.1
14-Sep	7,274	-	7,816	-	5,780	99.3
15-Sep	7,276	-	7,843	-	5,790	99.5
16-Sep	7,277	-	7,856	-	5,794	99.6
17-Sep	7,282	-	7,883	-	5,805	99.8
18-Sep	7,284	-	7,902	-	5,812	99.9
19-Sep	7,284	-	7,908	-	5,814	99.9
20-Sep	7,284	-	7,911	-	5,815	99.9
21-Sep	7,289	-	7,911	-	5,817	100.0
22-Sep	7,289	-	7,912	-	5,817	100.0
23-Sep	7,290	-	7,913	-	5,818	100.0
24-Sep	-	-	7,913	-	5,818	100.0
25-Sep	-	-	7,915	-	5,818	100.0
26-Sep	-	-	7,916	-	5,819	100.0
27-Sep	-	-	7,917	-	5,819	100.0
28-Sep	-	-	7,917	-	5,819	100.0
29-Sep	-	-	7,918	-	5,819	100.0
30-Sep	-	-	7,918	-	5,819	100.0
1-Oct	-	-	7,918	-	5,819	100.0
2-Oct	-	-	7,918	-	5,819	100.0
3-Oct	-	-	7,918	-	5,819	100.0
4-Oct	-	-	7,918	-	5,819	100.0
5-Oct	-	-	7,918	-	5,819	100.0
6-Oct	-	-	7,918	-	5,819	100.0
Total	7,290	2,250	7,918	4,114	5,819	100.0

-Continued-

^a Weir was removed on 23 September.

^b Weir was removed on 9 September. Escapement includes a postweir estimate of 200 salmon; 100 moved into the lake past the weir location on 10 September after the weir was removed and 100 remained in the stream spawning below the weir site.

^c Weir was removed on 6 October.

^d Weir was washed out on 11 September.

Appendix I.5. Summer Bay Lake cumulative escapement counts for upstream Dolly Varden by day, 1998-2001.

Date	Year				1998-2000	
	1998 ^a	1999 ^b	2000 ^c	2001 ^d	Average	Average %
5-Jun	0	0	0	1	0	0.0
6-Jun	0	0	0	2	0	0.0
7-Jun	0	0	0	3	0	0.0
8-Jun	0	0	0	3	0	0.0
9-Jun	0	0	0	3	0	0.0
10-Jun	0	0	0	3	0	0.0
11-Jun	0	0	0	3	0	0.0
12-Jun	0	0	0	3	0	0.0
13-Jun	0	0	0	3	0	0.0
14-Jun	0	0	0	4	0	0.0
15-Jun	0	0	0	4	0	0.0
16-Jun	0	0	0	4	0	0.0
17-Jun	0	0	0	5	0	0.0
18-Jun	0	0	0	5	0	0.0
19-Jun	0	0	0	6	0	0.0
20-Jun	0	0	0	8	0	0.0
21-Jun	0	0	0	8	0	0.0
22-Jun	0	0	0	9	0	0.0
23-Jun	0	0	0	9	0	0.0
24-Jun	0	0	0	9	0	0.0
25-Jun	0	0	0	9	0	0.0
26-Jun	0	0	5	10	2	0.1
27-Jun	0	1	5	11	2	0.2
28-Jun	0	3	23	11	9	0.7
29-Jun	0	6	23	12	10	0.7
30-Jun	0	11	58	12	23	1.8
1-Jul	0	27	81	13	36	2.8
2-Jul	0	27	81	14	36	2.8
3-Jul	0	29	90	14	40	3.0
4-Jul	0	36	95	26	44	3.4
5-Jul	4	64	104	31	57	4.4
6-Jul	6	88	114	41	69	5.3
7-Jul	8	171	124	45	101	7.8
8-Jul	8	191	143	46	114	8.8
9-Jul	12	193	181	50	129	9.9
10-Jul	13	210	198	61	140	10.8
11-Jul	14	223	258	67	165	12.7
12-Jul	16	232	285	77	178	13.6
13-Jul	16	264	288	101	189	14.5
14-Jul	16	267	298	108	194	14.9
15-Jul	17	273	300	127	197	15.1
16-Jul	28	275	327	148	210	16.1
17-Jul	32	280	365	163	226	17.3
18-Jul	34	284	385	181	234	18.0

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Date	Year				1998-2000	
	1998 ^a	1999 ^b	2000 ^c	2001 ^d	Average	Average %
19-Jul	35	285	403	183	241	18.5
20-Jul	36	300	431	191	256	19.6
21-Jul	36	315	470	225	274	21.0
22-Jul	36	327	600	278	321	24.6
23-Jul	36	333	782	307	384	29.5
24-Jul	36	350	864	330	417	32.0
25-Jul	36	353	955	423	448	34.4
26-Jul	37	359	1,008	626	468	35.9
27-Jul	37	460	1,075	781	524	40.2
28-Jul	37	465	1,104	803	535	41.1
29-Jul	37	569	1,162	835	589	45.3
30-Jul	37	571	1,216	859	608	46.7
31-Jul	37	753	1,314	869	701	53.9
1-Aug	37	766	1,437	875	747	57.3
2-Aug	37	808	1,510	898	785	60.3
3-Aug	37	837	1,583	1,085	819	62.9
4-Aug	42	843	1,678	1,239	854	65.6
5-Aug	45	843	1,751	1,294	880	67.5
6-Aug	48	844	1,798	1,349	897	68.9
7-Aug	48	848	1,824	1,424	907	69.6
8-Aug	48	854	1,838	1,494	913	70.1
9-Aug	100	855	1,845	1,515	933	71.7
10-Aug	102	861	1,857	1,546	940	72.2
11-Aug	123	866	1,867	1,567	952	73.1
12-Aug	126	880	1,873	1,596	960	73.7
13-Aug	154	889	1,877	1,629	973	74.7
14-Aug	186	903	1,880	1,653	990	76.0
15-Aug	201	906	1,883	1,670	997	76.5
16-Aug	220	907	1,888	1,682	1,005	77.2
17-Aug	235	911	1,893	1,691	1,013	77.8
18-Aug	235	915	1,905	1,698	1,018	78.2
19-Aug	235	919	1,910	1,723	1,021	78.4
20-Aug	247	932	1,913	1,732	1,031	79.1
21-Aug	247	943	1,913	1,738	1,034	79.4
22-Aug	262	947	1,921	1,746	1,043	80.1
23-Aug	272	951	1,925	1,755	1,049	80.6
24-Aug	274	959	1,933	1,779	1,055	81.0
25-Aug	274	961	1,936	1,788	1,057	81.2
26-Aug	274	963	1,937	1,791	1,058	81.2
27-Aug	275	970	1,941	1,797	1,062	81.5
28-Aug	275	1,047	1,941	1,799	1,088	83.5
29-Aug	275	1,164	1,947	1,802	1,129	86.7
30-Aug	275	1,165	1,947	1,805	1,129	86.7
31-Aug	275	1,203	1,948	1,806	1,142	87.7
1-Sep	275	1,253	1,950	1,808	1,159	89.0

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Date	Year				1998-2000	
	1998 ^a	1999 ^b	2000 ^c	2001 ^d	Average	Average %
2-Sep	275	1,263	1,951	1,814	1,163	89.3
3-Sep	275	1,279	1,953	1,825	1,169	89.8
4-Sep	275	1,303	1,955	1,830	1,178	90.4
5-Sep	275	1,318	1,955	1,830	1,183	90.8
6-Sep	275	1,328	1,957	1,830	1,187	91.1
7-Sep	275	1,332	1,960	1,831	1,189	91.3
8-Sep	275	1,359	1,961	1,831	1,198	92.0
9-Sep	276	1,361	1,961	1,832	1,199	92.1
10-Sep	276	1,636	1,962	1,832	1,291	99.2
11-Sep	276	1,636	1,962	1,832	1,291	99.2
12-Sep	276	1,636	1,962	1,832	1,291	99.2
13-Sep	276	1,636	1,963	1,832	1,292	99.2
14-Sep	276	1,636	1,963	1,832	1,292	99.2
15-Sep	276	1,636	1,967	1,832	1,293	99.3
16-Sep	276	1,636	1,972	1,832	1,295	99.4
17-Sep	276	1,636	1,973	1,832	1,295	99.4
18-Sep	276	1,636	1,974	1,832	1,295	99.5
19-Sep	276	1,636	1,977	1,832	1,296	99.5
20-Sep	276	1,636	1,978	1,832	1,297	99.6
21-Sep	276	1,636	1,978	1,832	1,297	99.6
22-Sep	276	1,636	1,978	1,832	1,297	99.6
23-Sep	276	1,636	1,980	1,832	1,297	99.6
24-Sep	276	1,636	1,980	1,832	1,297	99.6
25-Sep	276	1,636	1,981	1,832	1,298	99.6
26-Sep	276	1,636	1,981	1,832	1,298	99.6
27-Sep	276	1,636	1,981	1,832	1,298	99.6
28-Sep	276	1,636	1,981	1,832	1,298	99.6
29-Sep	276	1,636	1,981	1,832	1,298	99.6
30-Sep	276	1,636	1,982	1,832	1,298	99.7
Total	276	1,636	1,995	1,832	1,302	100.0

^a Weir was removed on 23 September.

^b Weir was removed on 9 September, escapement estimate includes a post weir estimate of 275 Dolly Varden moving upstream past the weir location on 10 September.

^c Weir was removed on 6 October.

^d Weir was washed out on 11 September.

Appendix I.6. Summer Bay Lake cumulative escapement counts for downstream Dolly Varden by day, 1998-2001.

Date	Year				1998-2000	
	1998 ^a	1999 ^b	2000 ^c	2001 ^d	Average	Average %
9-May	23	0	0	0	8	0.5
10-May	100	0	0	0	33	2.0
11-May	118	0	0	0	39	2.4
12-May	135	0	0	0	45	2.7
13-May	174	0	0	0	58	3.5
14-May	207	0	0	0	69	4.2
15-May	240	0	0	0	80	4.8
16-May	273	0	0	0	91	5.5
17-May	306	0	0	0	102	6.1
18-May	339	0	0	0	113	6.8
19-May	372	0	0	0	124	7.5
20-May	405	0	0	0	135	8.1
21-May	438	0	0	0	146	8.8
22-May	471	0	0	0	157	9.5
23-May	504	0	0	0	168	10.1
24-May	537	0	0	0	179	10.8
25-May	570	0	0	0	190	11.5
26-May	597	0	0	0	199	12.0
27-May	638	0	0	0	213	12.8
28-May	736	0	0	0	245	14.8
29-May	803	0	0	0	268	16.1
30-May	932	101	0	0	344	20.8
31-May	1,048	159	0	0	402	24.3
1-Jun	1,101	242	0	54	448	27.0
2-Jun	1,163	291	0	152	485	29.2
3-Jun	1,231	301	0	212	511	30.8
4-Jun	1,289	397	0	323	562	33.9
5-Jun	1,399	485	0	423	628	37.9
6-Jun	1,470	544	0	512	671	40.5
7-Jun	1,541	787	0	663	776	46.8
8-Jun	1,612	926	0	799	846	51.0
9-Jun	1,646	1,057	0	924	901	54.3
10-Jun	1,675	1,100	0	1,144	925	55.8
11-Jun	1,701	1,185	0	1,403	962	58.0
12-Jun	1,733	1,233	0	1,580	989	59.6
13-Jun	1,758	1,291	0	1,725	1,016	61.3
14-Jun	1,786	1,317	0	1,809	1,034	62.3
15-Jun	1,802	1,378	0	1,876	1,060	63.9
16-Jun	1,845	1,410	0	1,944	1,085	65.4
17-Jun	1,875	1,442	0	2,023	1,106	66.6
18-Jun	1,904	1,495	0	2,088	1,133	68.3
19-Jun	1,941	1,557	0	2,196	1,166	70.3
20-Jun	1,972	1,660	0	2,319	1,211	73.0
21-Jun	2,011	1,688	0	2,448	1,233	74.3

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Date	Year				1998-2000	
	1998 ^a	1999 ^b	2000 ^c	2001 ^d	Average	Average %
22-Jun	2,041	1,745	0	2,543	1,262	76.1
23-Jun	2,075	1,767	1	2,592	1,281	77.2
24-Jun	2,112	1,788	30	2,632	1,310	79.0
25-Jun	2,129	1,824	66	2,718	1,340	80.8
26-Jun	2,143	1,837	80	2,810	1,353	81.6
27-Jun	2,148	1,850	102	2,892	1,367	82.4
28-Jun	2,153	1,871	128	2,935	1,384	83.4
29-Jun	2,166	1,886	152	2,976	1,401	84.5
30-Jun	2,170	1,925	181	2,995	1,425	85.9
1-Jul	2,178	1,939	194	3,013	1,437	86.6
2-Jul	2,182	1,958	201	3,031	1,447	87.2
3-Jul	2,183	1,980	206	3,037	1,456	87.8
4-Jul	2,186	1,983	212	3,048	1,460	88.0
5-Jul	2,194	1,998	220	3,050	1,471	88.6
6-Jul	2,196	2,004	222	3,053	1,474	88.8
7-Jul	2,196	2,009	225	3,054	1,477	89.0
8-Jul	2,197	2,015	229	3,057	1,480	89.2
9-Jul	2,197	2,015	233	3,069	1,482	89.3
10-Jul	2,199	2,022	233	3,083	1,485	89.5
11-Jul	2,199	2,030	236	3,089	1,488	89.7
12-Jul	2,199	2,047	240	3,096	1,495	90.1
13-Jul	2,200	2,051	245	3,104	1,499	90.3
14-Jul	2,200	2,056	246	3,107	1,501	90.5
15-Jul	2,201	2,057	248	3,110	1,502	90.5
16-Jul	2,201	2,058	250	3,114	1,503	90.6
17-Jul	2,201	2,058	251	3,119	1,503	90.6
18-Jul	2,203	2,060	252	3,121	1,505	90.7
19-Jul	2,203	2,060	256	3,123	1,506	90.8
20-Jul	2,203	2,060	267	3,128	1,510	91.0
21-Jul	2,206	2,060	274	3,136	1,513	91.2
22-Jul	2,209	2,060	279	3,144	1,516	91.4
23-Jul	2,213	2,060	283	3,148	1,519	91.5
24-Jul	2,213	2,062	286	3,149	1,520	91.6
25-Jul	2,218	2,062	296	3,161	1,525	91.9
26-Jul	2,218	2,062	298	3,167	1,526	92.0
27-Jul	2,219	2,065	309	3,171	1,531	92.3
28-Jul	2,219	2,066	316	3,176	1,534	92.4
29-Jul	2,220	2,066	320	3,181	1,535	92.5
30-Jul	2,220	2,066	327	3,188	1,538	92.7
31-Jul	2,220	2,068	344	3,194	1,544	93.1
1-Aug	2,220	2,069	357	3,196	1,549	93.3
2-Aug	2,220	2,072	370	3,199	1,554	93.7
3-Aug	2,225	2,074	377	3,200	1,559	94.0
4-Aug	2,228	2,074	382	3,203	1,561	94.1
5-Aug	2,230	2,074	387	3,204	1,564	94.3

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Date	Year				1998-2000	
	1998 ^a	1999 ^b	2000 ^c	2001 ^d	Average	Average %
6-Aug	2,233	2,074	391	3,208	1,566	94.4
7-Aug	2,239	2,075	393	3,212	1,569	94.6
8-Aug	2,241	2,075	398	3,215	1,571	94.7
9-Aug	2,243	2,076	400	3,217	1,573	94.8
10-Aug	2,249	2,076	403	3,219	1,576	95.0
11-Aug	2,250	2,076	404	3,222	1,577	95.0
12-Aug	2,280	2,076	406	3,224	1,587	95.7
13-Aug	2,286	2,077	406	3,229	1,590	95.8
14-Aug	2,286	2,077	408	3,236	1,590	95.9
15-Aug	2,291	2,077	409	3,244	1,592	96.0
16-Aug	2,294	2,078	413	3,246	1,595	96.1
17-Aug	2,298	2,078	414	3,250	1,597	96.2
18-Aug	2,302	2,079	419	3,254	1,600	96.4
19-Aug	2,321	2,080	425	3,256	1,609	97.0
20-Aug	2,326	2,082	428	3,258	1,612	97.2
21-Aug	2,332	2,083	429	3,259	1,615	97.3
22-Aug	2,334	2,083	433	3,262	1,617	97.4
23-Aug	2,342	2,084	441	3,271	1,622	97.8
24-Aug	2,345	2,085	444	3,273	1,625	97.9
25-Aug	2,348	2,085	445	3,277	1,626	98.0
26-Aug	2,350	2,085	445	3,280	1,627	98.1
27-Aug	2,355	2,085	448	3,283	1,629	98.2
28-Aug	2,360	2,085	449	3,286	1,631	98.3
29-Aug	2,366	2,086	450	3,288	1,634	98.5
30-Aug	2,371	2,086	454	3,290	1,637	98.7
31-Aug	2,371	2,086	459	3,291	1,639	98.8
1-Sep	2,371	2,086	463	3,292	1,640	98.9
2-Sep	2,371	2,086	464	3,294	1,640	98.9
3-Sep	2,371	2,086	469	3,300	1,642	99.0
4-Sep	2,371	2,086	475	3,302	1,644	99.1
5-Sep	2,371	2,086	479	3,304	1,645	99.2
6-Sep	2,371	2,087	484	3,305	1,647	99.3
7-Sep	2,371	2,089	487	3,306	1,649	99.4
8-Sep	2,371	2,089	490	3,309	1,650	99.5
9-Sep	2,371	2,091	493	3,313	1,652	99.6
10-Sep	2,371	2,091	496	3,314	1,653	99.6
11-Sep	2,371	2,091	498	3,314	1,653	99.7
12-Sep	2,371	2,091	499	3,314	1,654	99.7
13-Sep	2,371	2,091	499	3,314	1,654	99.7
14-Sep	2,371	2,091	499	3,314	1,654	99.7
15-Sep	2,371	2,091	499	3,314	1,654	99.7
16-Sep	2,371	2,091	500	3,314	1,654	99.7
17-Sep	2,371	2,091	501	3,314	1,654	99.7
18-Sep	2,371	2,091	505	3,314	1,656	99.8
19-Sep	2,371	2,091	506	3,314	1,656	99.8

-Continued-

Appendix I.6. (page 4 of 4)

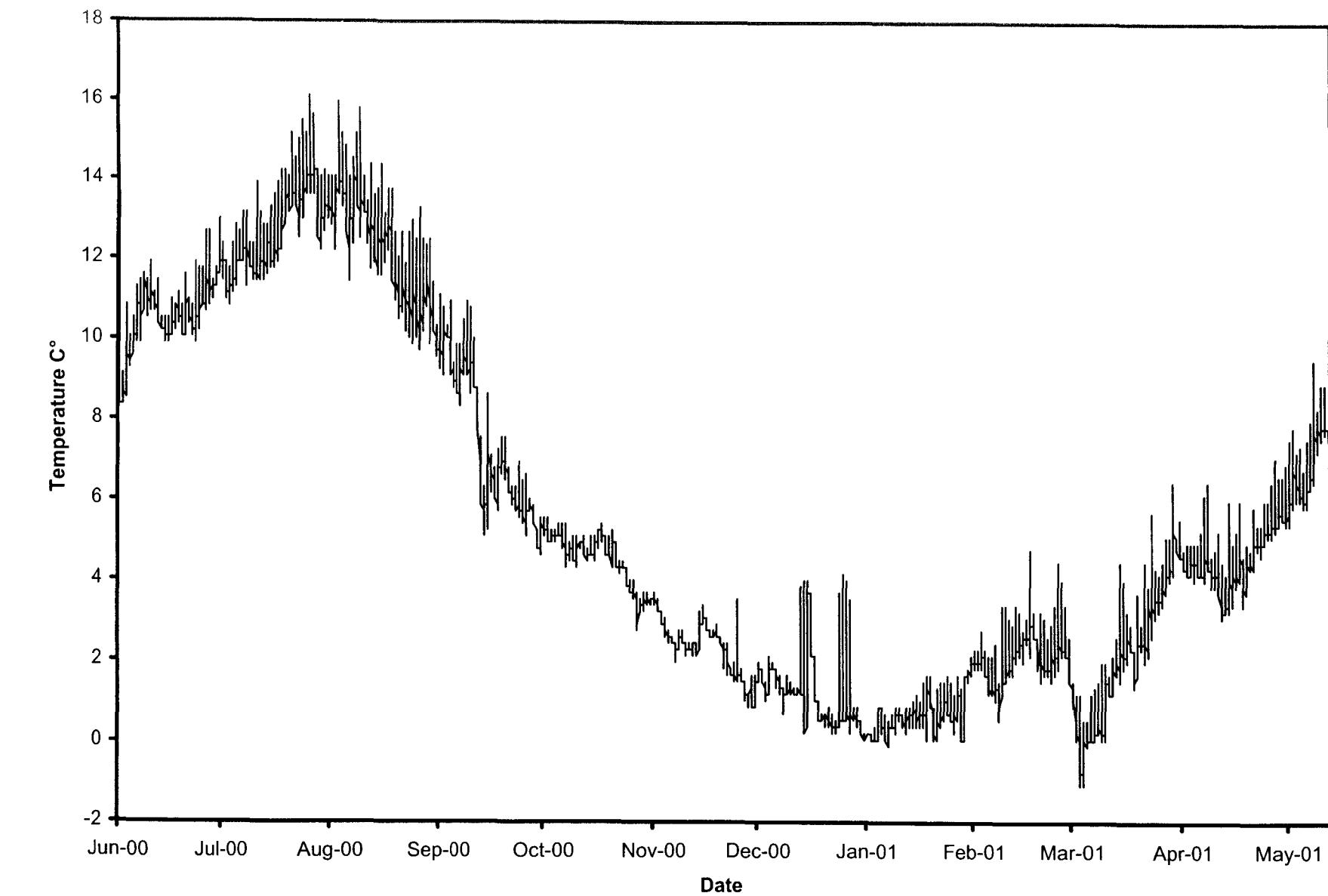
Date	Year				1998-2000	
	1998 ^a	1999 ^b	2000 ^c	2001 ^d	Average	Average %
20-Sep	2,371	2,091	509	3,314	1,657	99.9
21-Sep	2,371	2,091	511	3,314	1,658	99.9
22-Sep	2,371	2,091	513	3,314	1,658	100.0
23-Sep	2,371	2,091	515	3,314	1,659	100.0
24-Sep	2,371	2,091	515	3,314	1,659	100.0
25-Sep	2,371	2,091	515	3,314	1,659	100.0
26-Sep	2,371	2,091	515	3,314	1,659	100.0
27-Sep	2,371	2,091	515	3,314	1,659	100.0
28-Sep	2,371	2,091	515	3,314	1,659	100.0
29-Sep	2,371	2,091	515	3,314	1,659	100.0
30-Sep	2,371	2,091	515	3,314	1,659	100.0
1-Oct	2,371	2,091	515	3,314	1,659	100.0
2-Oct	2,371	2,091	515	3,314	1,659	100.0
3-Oct	2,371	2,091	515	3,314	1,659	100.0
4-Oct	2,371	2,091	515	3,314	1,659	100.0
5-Oct	2,371	2,091	515	3,314	1,659	100.0
6-Oct	2,371	2,091	515	3,314	1,659	100.0
Total	2,371	2,091	515	3,314	1,659	100.0

^a Weir was removed on 23 September.

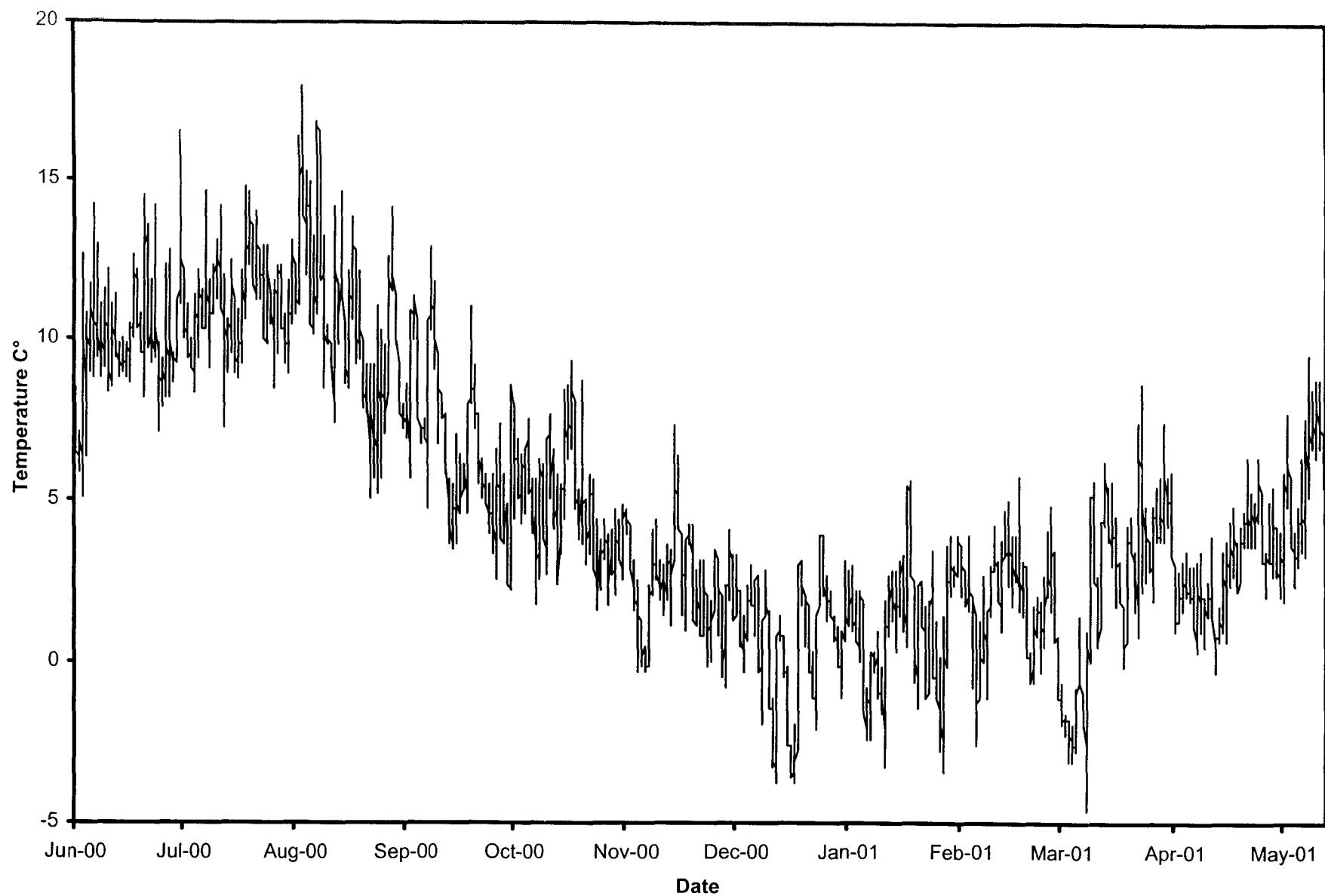
^b Weir was removed on 9 September, escapement estimate includes a postweir estimate of 275 Dolly Varden moving upstream past the weir location on 10 September.

^c Weir was removed on 6 October.

^d Weir was washed out on 11 September.



Appendix I.7. Summer Bay Lake water temperature (data logger located on bridge piling), 2000-2001.



Appendix I.8. Summer Bay Lake air temperature (data logger located under the bridge), 2000-2001.

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